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Analysis of Diabetes Morbidity and Mortality in the State of Indiana, 1989 to 1993

Indiana Diabetes Control Program

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EXECUTIVE SUMMARY

Introduction. This report presents the findings of Study 1: Analysis of Diabetes Morbidity and Mortality in the State of Indiana, 1989-1993, which was part of the *Grant Partner Proposal-Indiana Diabetes Control Plan: 1995-1996*.

Methods. Vital statistics information for the State of Indiana between January 1, 1989 and December 31, 1993 and information on End-Stage Renal Disease (ESRD) between January 1, 1990 and December 31, 1995 were analyzed to estimate the prevalence of diabetes in the State of Indiana. Rates for the percentage of diabetic related deliveries (live births and fetal deaths), risks of selected adverse birth outcomes for women with diabetes, diabetes mortality rates, and incidence and point prevalence rates of diabetic and non-diabetic ESRD were calculated.

Results. Of the 253,474 live births delivered between January 1, 1991 and December 31, 1993, 6480 (2.56%) indicated diabetes as a complication or concurrent illness. The number of diabetic related deliveries between 1989 and 1993 increased 25.9%, while the number of deliveries decreased by -0.6%. The conditional odds ratios of an adverse birth outcome for diabetic women ranged from 1.442 to 1.995, when controlling for differences between maternal race, age, and educational attainment. Annual age-adjusted mortality rates also increased from 13.01 per 100,000 in 1989 to 13.67 per 100,000 in 1993 (an increase of 5.1%). Of the 101,929 deaths between January 1, 1992 and December 31, 1993, 8220 (8.1%) listed diabetes as the underlying cause of death or as one of up to ten other causes of death. The incidence count of diabetic ESRD increased from 355 persons in 1990 to 601 persons (69.3%). The prevalence count of diabetic ESRD similarly increased from 748 on January 1, 1990 to 1457 persons on January 1, 1995 (94.8%).

Conclusions. Annual rates of diabetic related live births, deaths, and ESRD have increased between 1989 and 1995. Rates have increased disproportionately faster among non-whites, Hispanics, women, and persons aged 65 years or more. In addition to the risk of ESRD, child-bearing women are at an increased risk of many adverse birth outcomes. The distribution of

diabetic related live births and deaths by Indiana counties suggest a need for a state-wide initiative to reduce the impact of diabetes.

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CHAPTER 1

Introduction

The Grant Partner Proposal—Indiana Diabetes Control Plan: 1995-1996 Study measures diabetes morbidity and mortality in Indiana, assesses the nutritional management knowledge and attitudes of primary care physicians, and estimates the direct and indirect costs of diabetes in Indiana. The project was divided into three separate tasks: Study 1: Analysis of Diabetes Morbidity and Mortality in the State of Indiana, 1989-1993; Study 2: Physician Attitudes and Practices for Diabetes Management, and Study 3: The Economic Costs of Diabetes. This report presents the results of an Analysis of Diabetes Morbidity and Mortality in the State of Indiana, 1989-1993 (Study 1).

While the focus of this study was on diabetic morbidity and mortality in the State of Indiana between 1989 and 1993, changes in the population characteristics of Indiana residents can have a significant effect on these rates. According to estimates by the US Census Bureau, the total population in Indiana is expected to increase by 4.47% between July, 1990 and July, 1995. Populations with the highest estimated prevalence include: persons aged 65 years and older, women, and minorities (non-whites). Indiana residents aged 65 years and older are estimated to be 12.54% of the total population in 1990. This proportion is estimated to have grown by 5.19% between 1990 and 1995, to 12.64%. While the number of female Indiana residents increased by 4.21%, their proportion of the total population shrank from 51.5% to 51.4%. Non-white residents comprise 10.54% of the total population, and were estimated to have increased by 9.87% by 1995 to 11.1%.

End-stage renal disease (ESRD) is one of the most devastating and expensive complications of diabetes. ESRD is associated with increased duration of diabetes, poor glycemic control, hypertension, and smoking. It is also more common in certain families, indicating a genetic susceptibility. Because of the high cost of treatment and devastating consequences to functional

status, this study estimates the extent of ESRD in Indiana. A secondary purpose of this study was to assess the usefulness of the ESRD data collected by the Tri-State Renal Network.

CHAPTER 2

Methods

The Analysis of Diabetes Morbidity and Mortality in the State of Indiana, 1989-1993 is primarily based on vital statistics information for the State of Indiana between January 1, 1989 and December 31, 1993. The vital statistics contained detailed information about all births and deaths of Indiana residents. The files were released to the Bowen Research Center at Indiana University from the Indiana State Department of Health. Population data was provided by the US Census Bureau and is based on the 1990 Census. Detailed population estimates for Indiana by age, race, sex, and county of residence for years 1991 to 1993 were not available, therefore the majority of the rates presented in this report were based on 1990 Census estimates. Rates based on other Census Bureau estimates are noted.

Percentage of Diabetic Related Births. Indication of whether the mother had (or developed) diabetes mellitus during the pregnancy were captured in any of three fields on the birth certificate: *complication of pregnancy-diabetes*, *complication of pregnancy-other*, and *concurrent illness-other*. Both "other" fields were items that were typically hand-written by the physician and then transcribed exactly as written into the birth certificate data base.

The "other" fields (complications of pregnancy and concurrent illnesses) were only available for live births between January 1, 1991 and December 31, 1993. Therefore, to examine changes in diabetic related deliveries over time, the number and percent of deliveries that indicated a "yes" in the field *complication of pregnancy-diabetes* were calculated for each year between January 1, 1989 and December 31, 1993. The number of deliveries included all live births plus all fetal deaths, which were deaths after 20 weeks of gestation but before delivery. In addition to annual rates, a five-year average was calculated for the State and each county. For counties with a five-year average number of deliveries greater than 2000, charts showing annual trends were created to display annual county rates, a mean county rate, state annual rates and a state mean rate.

A more precise estimate of the incidence of diabetic related births was possible for all live births between January 1, 1991 and December 31, 1993, when all three birth certificate fields were available for analysis. A three-year average of the annual rates was calculated for the state and each county. Counties were ranked on the basis of this three-year average with lowest rankings (1) assigned to the lowest rates. A map of the distribution of the rankings by quartiles was also produced. Appearing next to the three-year average rates is the three-year average rate based just on one field (*complications of pregnancy—diabetes*). To facilitate future estimates of the incidence of diabetic deliveries using just the *complications of pregnancy—diabetes* field as a predictor, an adjustment factor was calculated for the State and each county. The adjustment factor is the result of the three-year all fields average divided by the five-year one field average.

Rates of diabetic related births in some counties were not stable, and would produce an unreliable adjustment factor. Counties where the standard deviation among annual all-fields rates divided by the square root of the mean number of deliveries was more than 5.0% of the mean annual all-fields rate were considered unstable. Adjustment factors for these counties were calculated using information from the entire state.

Impact of Diabetes on Selected Birth Outcomes. Tests of association were performed contrasting diabetic and non-diabetic women who delivered a live birth between January 1, 1991 and December 31, 1993, when more precise indication of diabetic status was available for analysis. Comparison of diabetics and non-diabetics were performed for the following types of information: maternal race, maternal ethnicity, marital status, maternal educational attainment, maternal age, prenatal care utilization, prenatal care, participation in WIC, previous live births, previous fetal deaths, previous high risk pregnancy, maternal smoking status, maternal weight gain, method of delivery, cesarean section indication, complications of labor and delivery, obstetric procedures, 5-minute apgar score, multiple births, birth weight, gestation, abnormal conditions of newborn, congenital anomaly, and failure to survive up to 365 days after birth.

Adverse birth outcomes are often the result of many factors, such as the case with failure to survive. For this study, odds ratios were calculated for the probability of having a cesarean section, abnormal condition of newborn, obstetric procedure, congenital anomaly, preterm birth

(<37 weeks of gestation), complication of labor and delivery, a 5-minute apgar score below 7, and failure to survive up to 365 days after birth. Logistic regression models were used to estimate the probability of an adverse birth outcome based on maternal diabetes status, the effects of maternal race (white, black, non-white or black), maternal educational attainment (in years), and maternal age (in years). Conditional odds ratios were calculated by dividing the probability of event for diabetic related births and the probability of event for non-diabetic related births to women with the same race, age, and educational attainment.

Diabetic Mortality. Information on deaths to Indiana residents between January 1, 1989 and December 31, 1993 provided demographic characteristics of the deceased and the underlying cause of death. Beginning in January 1, 1992, information on up to ten contributing causes of death were available. Coding of the causes of death is based on the International Classification of Diseases (ICD), and were compiled in accordance with the World Health Organization and National Center for Health Statistics Guidelines. ICD codes for diabetes mellitus are between 250.00 and 250.99.

Annual mortality rates of the underlying cause of death plus an averaged mortality rate were calculated for Indiana residents by county of residence, race (white, black and non-white or black), gender, age (under 65 years, and 65 years and older), and ethnicity (hispanic and non-hispanic). Mortality rates were calculated as the number of deaths due to diabetes divided by the population, and the result multiplied by 100,000. Age-adjusted mortality rates were calculated to adjust for differences in the age distribution between populations. Briefly, the method used in this report calculated the expected number of deaths using the 1940 US Census estimates based on observed age-specific mortality rates. For the five most-populous counties, charts were created to display annual county age-adjusted mortality rates, a mean county age-adjusted mortality rate, state annual age-adjusted mortality rates and a state mean age-adjusted mortality rate. Individual counties were ranked on their five-year age-adjusted diabetes mortality rates, with the lowest ranking (1) assigned to the county with the lowest age-adjusted mortality rate. The result of the rankings is then shown in a map broken down by quartiles.

To facilitate future estimates of the diabetic mortality rates using just the underlying cause of death, an adjustment factor was calculated for the State by race (Whites, Blacks, and Non-White or Blacks), gender, age (persons aged less than 65 years and persons aged 65 years and older), and ethnicity (Hispanics and Non-Hispanics). The adjustment factor is a multiplier for determining the number of diabetic deaths indicated as the underlying cause of death as one of the contributing causes of death.

End-Stage Renal Disease (ESRD) in Persons with Diabetes. Data on the incidence and prevalence of ESRD was obtained from the Tri-State Renal Network. This organization is under contract to the Health Care Financing Authority (HCFA) to collect and transmit Indiana data on ESRD to the United States Renal Data System (USRDS). This data, defined and collected in a standardized fashion since 1988, has become the major mechanism to track ESRD in the US. Population estimates were obtained from the US Census Bureau, and are based upon the 1990 US Census. Annual estimates after 1990 were provided by the US Census Bureau and are based on projected birth, death and migration patterns.

The USRDS collects information on every individual covered by the Medicare ESRD program. This entitlement program provides financial coverage for all persons who have been on renal dialysis for 90 days or more, or received a kidney transplant in the prior three years. As of 1996, Medicare provided health insurance coverage for over 92 percent of persons on dialysis and 90 percent of those who received a transplant since 1991. The USRDS does not capture persons who developed severe renal failure and did not survive more than 90 days of dialysis, or who declined dialysis.

The point prevalence is calculated on January 1 of each year. Persons who have received a renal transplant, but are no longer eligible for the Medicare benefits are included. The incidence count includes every new individual who joined the program during the calendar year. Basic demographic data is collected and has recently been validated. Age and sex are highly reliable, but race is less reliable. The cause of the ESRD was also collected. The type of diabetes was collected, but because insulin-using non-insulin dependent diabetes mellitus (NIDDM) persons are frequently counted as having insulin dependent diabetes mellitus (IDDM), the type of

Methods

diabetes data was considered inaccurate. Other evaluations have noted that IDDM accounts for approximately half of all diabetic ESRD. In the absence of accurate diabetes prevalence estimates, rates of ESRD are usually calculated using the general population for the denominator rather than the number of persons with diabetes.

CHAPTER 3

Results

Incidence of Diabetic Related Births. Table 1 presents the percent of deliveries that indicated a diabetic complication of pregnancy by year and county. Between 1989 and 1993, the number of deliveries with diabetic indications has increased by 25.9% from 1088 (1.3%) to 1370 (1.6%). Among counties with an annual average of more than 2000 deliveries, rates for the number of diabetic indications followed similar patterns. St. Joseph County reported the largest increase of these six counties (42.8%), 42 deliveries in 1989 (1.1%) and 64 deliveries in 1993 (1.6%).

Table 2 shows annual rates of live births between 1991 and 1993 with greater precision of maternal diabetes status. Of the 253,474 live births during this period, 6480 (2.56%) indicated diabetes as a complication of pregnancy or concurrent illness. The ten counties with the highest average annual rate of maternal diabetes included: Randolph (5.67%), Delaware (5.14%), Parke (4.77%), Clark (4.56%), Benton (4.38%), Floyd (4.16%), Harrison (4.02%), Crawford (3.66%), Hendricks (3.50%), and Wabash (3.40%). The ten counties with the lowest average annual rate of maternal diabetes included: LaGrange (0.62%), Switzerland (0.71%), Knox (0.99%), Ohio (1.06%), Adams (1.13%), Martin (1.16%), and Whitley (1.32%). Adjustment factors, which are a measure of the accuracy of birth certificate data, ranged from 1.0588 (Starke County) to 5.200 (Parke County). The adjustment factor for all live births in Indiana between 1991 and 1993 was 1.6131.

Impact of Diabetes on Selected Birth Outcomes. Tests for differences between women with diabetes who delivered a live births between January 1, 1991 and December 31, 1993 are presented in Table 3. Because of the large sample size ($n=253,521$), statistical tests had large power to detect statistical differences. Interpretation of statistical differences should be made with caution because real differences may be minimal but statistically significant due to the large

sample size. Briefly, diabetic mothers were most likely to be white, non-hispanic, married, have a high school diploma, and between the ages of 25 and 29.

Sub-populations where differences between diabetic and nondiabetic mothers were statistically significant included: women who were non-black, hispanic, married, aged 30 or more years, and have at least a high school diploma. Diabetic women were more likely to have utilization of prenatal care that was adequate (Kessner and APNCU Index), no participation in WIC, a history of previous births, fetal deaths, or high risk pregnancies, not smoke and gained less than 20 pounds during their pregnancy.

Diabetic women who delivered a live birth were also at an increased risk for many adverse birth outcomes. When controlling for differences between maternal race, age, and educational attainment these women were 1.442 to 1.995 times more likely to deliver by cesarean section, with an obstetric procedure and complication of labor and delivery (Table 4). Their newborns were also more likely to have an abnormal condition or congenital anomaly, be born premature (<37 weeks of gestation), and have a 5-minute apgar score less than 7.

Diabetic Mortality. Annual mortality rates for diabetes as the underlying cause of death steadily increased in Indiana between 1989 and 1993 from 21.61 per 100,000 to 23.95 per 100,000 (Table 5). When controlling for the effect of changes in the age-distribution among Indiana residents, age-adjusted mortality rates rose from 13.01 per 100,000 in 1989 to 13.67 per 100,000 in 1993, an increase of 5.1%. Five-year average annual age-adjusted mortality rates were highest among blacks (31.4 per 100,000), males (14.13 per 100,000), persons aged 65 years or more (138.77 per 100,000), and Hispanics (22.32 per 100,000). Annual age-adjusted mortality rates rose most sharply for Hispanics between 1989 and 1993 (37.4%), from 16.56 per 100,000 in 1989 to 22.75 per 100,000 in 1993. Other populations with large increases in age-adjusted mortality rates included persons aged 65 years or more (22.3%), blacks (19.2%), and males (15.4%).

Diabetes was the underlying cause of death in 2.56% of all deaths to Indiana residents between January 1, 1991 and December 31, 1993 ($n=2615$). However, diabetes was noted as either the underlying cause of death or one of up to ten contributing causes of death in 8.1% of

those same deaths ($n=8220$). Adjustment factors for all Indiana residents broken down by race, gender, age, and ethnicity ranged from 2.722 (blacks) to 3.3187 (males), and are presented in Table 6. The adjustment factor for all Indiana residents was 3.1434.

Table 7 displays the five-year (1989 to 1993) average annual mortality rates by county. The ten counties with the highest five-year average annual age-adjusted mortality rates included: Lake (20.87 per 100,000), Union (20.68 per 100,000), Gibson (19.88 per 100,000), Crawford (19.51 per 100,000), Wabash (19.48 per 100,000), Daviess (19.38 per 100,000), Greene (18.90 per 100,000), Spencer (18.67 per 100,000), Grant (17.54 per 100,000), and Noble (17.13 per 100,000). The ten counties with the lowest five-year average annual age-adjusted mortality rates included: Brown (3.24 per 100,000), Owen (4.48 per 100,000), Dubois (5.05 per 100,000), Starke (5.47 per 100,000), Carroll (5.65 per 100,000), Dearborn (6.45 per 100,000), Posey (6.53 per 100,000), Steuben (6.93 per 100,000), Boone (7.31 per 100,000), and Switzerland (7.71 per 100,000).

End Stage Renal Disease (ESRD) in Persons with Diabetes. The incidence and prevalence counts and rates for 1990-1995 are presented in Tables 8 through 11. Data on both the diabetic and non-diabetic population are shown, as well as breakdowns by sex, race, and age group. Diabetic ESRD ($n=1457$) comprised 38.2% of all ESRD prevalence ($n=3815$) in Indiana in 1995 (Table 11).

The increase in ESRD over the six years is particularly astonishing. The incidence count of diabetic ESRD increased from 355 persons in 1990 to 601 persons in 1995 (69.3% over the six years). The incidence count of non-diabetic ESRD increased from 571 persons to 723 persons during the same period (26.6% increase). The prevalence count for diabetic ESRD increased 94.8% between 1990 and 1995, from 748 persons to 1457 persons. The prevalence count for non-diabetic ESRD increased by only 32.7% during the same period, from 1777 persons to 2358 persons.

The cause of the increase in diabetic and non-diabetic ESRD is not clear. Changes in the Indiana population estimates only reflect an increase of 4.5% from 1990-1995. In addition, the incidence and prevalence rates were calculated with these population estimates.

Results

Certain groups bear a higher burden of ESRD. In the non-diabetic population, the rate of ESRD is higher in men compared to women, but in the diabetic population the reverse is true. ESRD disproportionately affect non-White races, and its likelihood greatly increases with age.

CHAPTER 4

Conclusions

Annual rates of diabetic related live births, fetal deaths, and deaths between 1989 and 1993 have increased. Annual incidence rates of diabetic ESRD have also increased between 1990 and 1995. Rates among certain population groups have increased at a faster rate, particularly among minorities (blacks, non-white or black, and Hispanics), women and persons age 65 years or more. US Census Bureau estimates of these populations suggest that all of these population groups except for women, are predicted to grow at a faster rate than the rest of the population.

Pregnant women with diabetes or who develop gestational diabetes are at a significantly greater risk of many adverse birth outcomes. While some of these birth outcomes involve a greater consumption of health care resources (delivery by cesarean section, complication of labor and delivery, low 5-minute apgar score and experiencing an obstetric procedure), others could reduce the quality of life for the newborn (abnormal condition, congenital anomaly, and prematurity).

In addition to diabetes disproportionately affecting select population groups, certain counties had high rates of diabetic related live births and age-adjusted mortality rates. By combining the rank scores of each county, the ten with the highest scores included: Crawford (174), Wabash (171), Delaware (166), Union (164), Lake (158), Benton (145), Parke (144), Floyd (143), Scott (140) and Laporte (138). The percentage of these counties that were rural or whole county HPSA designation was consistent with state percentages, and therefore programs to reduce the impact of diabetes need to be state-wide.

ESRD due to diabetes during 1995 accounted for 38% of all prevalent cases of ESRD, compared to the national rate of 35%. More alarming is the accelerated rate of increase in ESRD between January 1, 1990 and December 31, 1995. This increase in incidence and prevalence counts and rates parallel national trends of a 15% annual increase in diabetic ESRD. This

increase in diabetic ESRD is a function of several factors. First, the prevalence of diabetes of diabetes is slowly increasing, and is occurring at younger ages. Second, the non-White population who are more vulnerable to diabetes and ESRD, are increasing in the general population. Finally, the estimates from Indiana may indicate a higher population prevalence of diabetes compared to the nation.

Information on diabetic ESRD was useful in substantiating trends in the rates of diabetes status in mortality and natality data. The age distribution of patients with ESRD fits well with natality data (women between 15 and 45) and mortality data (persons aged 65 years or more), and should be used whenever available to estimate diabetes prevalence.

ESRD can be prevented by better glycemic control and better hypertension control. There is also good evidence that ACE-inhibitors, a type of antihypertensive, can improve the loss of renal function in persons with IDDM. Several recent studies suggest that persons with NIDDM may also benefit from ACE-inhibitors. Finally, prevention of NIDDM, through exercise and diet modifications, particularly in high risk populations, may also be considered a preventive strategy for diabetic ESRD.

Table 1
**Number and Percentage of Deliveries Indicating a Diabetic Complication of
Pregnancy by County, 1989-1993**

	1989			1990		
	Diabetes Indicated	Percent	Total Deliveries	Diabetes Indicated	Percent	Total Deliveries
Indiana	1088	1.3%	83854	1203	1.4%	86620
Adams	3	0.5%	601	4	0.6%	624
Allen	63	1.2%	5147	33	0.6%	5372
Bartholomew	21	2.2%	937	12	1.2%	1024
Benton	3	1.9%	158	2	1.6%	129
Blackford	2	1.1%	180	5	2.2%	223
Boone	10	1.7%	602	11	1.8%	598
Brown	0	0.0%	168	4	2.4%	168
Carroll	2	0.7%	280	1	0.4%	242
Cass	4	0.7%	586	3	0.5%	558
Clark	27	2.4%	1146	36	3.0%	1210
Clay	5	1.5%	327	2	0.5%	368
Clinton	7	1.5%	480	11	2.2%	507
Crawford	4	2.5%	158	0	0.0%	147
Daviess	1	0.2%	446	3	0.7%	460
Dearborn	18	3.1%	578	6	1.1%	530
Decatur	3	0.9%	327	8	2.2%	369
DeKalb	3	0.6%	535	7	1.2%	574
Delaware	25	1.6%	1541	55	3.5%	1576
Dubois	9	1.5%	589	5	0.8%	592
Elkhart	46	1.7%	2784	40	1.5%	2743
Fayette	4	1.2%	341	6	1.6%	377
Floyd	17	1.8%	965	19	2.0%	950
Fountain	4	1.7%	229	2	1.0%	201
Franklin	3	1.1%	267	1	0.4%	282
Fulton	1	0.4%	269	4	1.5%	270
Gibson	2	0.5%	432	1	0.2%	425
Grant	13	1.3%	1016	23	2.1%	1096
Greene	1	0.3%	384	5	1.2%	417
Hamilton	24	1.6%	1536	21	1.1%	1849
Hancock	6	0.9%	636	4	0.7%	607
Harrison	6	1.6%	382	10	2.3%	434
Hendricks	16	1.6%	990	11	1.0%	1058
Henry	9	1.4%	638	11	1.7%	629
Howard	11	0.9%	1201	9	0.7%	1276
Huntington	3	0.6%	529	10	1.9%	528
Jackson	4	0.8%	501	6	1.1%	528
Jasper	4	1.2%	345	2	0.5%	381
Jay	4	1.3%	318	3	0.9%	344
Jefferson	0	0.0%	399	6	1.5%	393
Jennings	1	0.4%	278	9	2.5%	362
Johnson	28	2.3%	1227	22	1.7%	1290
Knox	5	1.0%	483	5	1.0%	507
Kosciusko	5	0.4%	1141	13	1.1%	1143
LaGrange	0	0.0%	642	4	0.7%	560
Lake	102	1.4%	7262	135	1.8%	7589
Laporte	25	1.7%	1514	28	1.8%	1567

Deliveries includes both live births and fetal deaths.

Source: Indiana State Department of Health Vital Statistics

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TABLE I
**Number and Percentage of Deliveries Indicating a Diabetic Complication of
Pregnancy by County, 1989-1993**

	1991			1992		
	Diabetes Indicated	Percent	Total Deliveries	Diabetes Indicated	Percent	Total Deliveries
Indiana	1366	1.6%	86282	1338	1.6%	84672
Adams	5	0.8%	592	1	0.2%	545
Allen	32	0.6%	5311	46	0.9%	5182
Bartholomew	15	1.5%	1034	4	0.4%	969
Benton	4	2.7%	149	3	2.5%	119
Blackford	5	2.7%	184	8	4.1%	196
Boone	2	0.3%	588	5	0.9%	536
Brown	2	1.3%	153	1	0.6%	162
Carroll	3	1.1%	263	1	0.4%	227
Cass	6	1.1%	523	2	0.4%	503
Clark	42	3.3%	1262	42	3.5%	1203
Clay	9	2.7%	337	3	0.8%	356
Clinton	3	0.6%	478	3	0.6%	463
Crawford	5	4.1%	123	4	3.0%	133
Daviess	4	0.9%	459	10	2.1%	474
Dearborn	9	1.6%	572	8	1.6%	513
Decatur	5	1.4%	370	5	1.2%	401
DeKalb	8	1.4%	556	12	2.1%	570
Delaware	71	4.6%	1547	63	4.1%	1523
Dubois	15	2.6%	579	11	1.8%	599
Elkhart	27	1.0%	2651	27	1.0%	2646
Fayette	6	1.7%	346	6	1.5%	403
Floyd	27	2.7%	1013	30	3.3%	896
Fountain	3	1.2%	251	8	3.3%	244
Franklin	1	0.3%	301	4	1.3%	314
Fulton	1	0.4%	274	3	1.3%	225
Gibson	9	2.2%	416	4	1.0%	418
Grant	10	0.9%	1085	9	0.9%	1011
Greene	6	1.5%	399	3	0.8%	375
Hamilton	27	1.4%	1882	21	1.1%	1946
Hancock	14	2.4%	590	5	0.9%	575
Harrison	14	3.5%	397	8	2.0%	395
Hendricks	14	1.5%	963	11	1.1%	996
Henry	14	2.2%	639	10	1.6%	617
Howard	11	0.9%	1213	13	1.0%	1249
Huntington	10	1.9%	530	8	1.6%	507
Jackson	13	2.3%	575	6	1.1%	543
Jasper	6	1.6%	378	7	2.0%	355
Jay	2	0.5%	369	4	1.2%	322
Jefferson	10	2.4%	425	5	1.2%	415
Jennings	6	1.6%	369	8	2.2%	363
Johnson	26	1.9%	1334	24	1.8%	1335
Knox	3	0.6%	491	5	1.1%	466
Kosciusko	16	1.5%	1103	8	0.8%	1051
LaGrange	1	0.1%	689	3	0.5%	592
Lake	135	1.7%	7773	115	1.5%	7677
Laporte	30	1.9%	1549	29	1.9%	1534

Deliveries includes both live births and fetal deaths.

Source: Indiana State Department of Health Vital Statistics Page 15

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Table 1
**Number and Percentage of Deliveries Indicating a Diabetic Complication of
Pregnancy by County, 1989-1993**

	1993			Five Year Average		
	Diabetes Indicated	Percent	Total Deliveries	Diabetes Indicated	Percent	Total Deliveries
Indiana	1370	1.6%	84321	1273	1.5%	85149.8
Adams	3	0.5%	550	3.2	0.5%	582.4
Allen	51	1.0%	4932	45.0	0.9%	5188.8
Bartholomew	8	0.8%	975	12.0	1.2%	987.8
Benton	2	1.4%	143	2.8	2.0%	139.6
Blackford	3	1.7%	179	4.6	2.4%	192.4
Boone	6	1.0%	596	6.8	1.2%	584.0
Brown	2	1.1%	187	1.8	1.1%	167.6
Carroll	4	1.5%	264	2.2	0.9%	255.2
Cass	9	1.8%	507	4.8	0.9%	535.4
Clark	44	3.6%	1234	38.2	3.2%	1211.0
Clay	3	0.9%	330	4.4	1.3%	343.6
Clinton	7	1.5%	457	6.2	1.3%	477.0
Crawford	4	3.2%	126	3.4	2.5%	137.4
Daviess	2	0.5%	444	4.0	0.9%	456.6
Dearborn	11	2.0%	551	10.4	1.9%	548.8
Decatur	0	0.0%	346	4.2	1.2%	362.6
DeKalb	10	1.8%	551	8.0	1.4%	557.2
Delaware	77	5.4%	1421	58.2	3.8%	1521.6
Dubois	13	2.3%	561	10.6	1.8%	584.0
Elkhart	27	1.0%	2745	33.4	1.2%	2713.8
Fayette	8	2.6%	310	6.0	1.7%	355.4
Floyd	40	4.1%	964	26.6	2.8%	957.6
Fountain	5	2.2%	231	4.4	1.9%	231.2
Franklin	5	1.9%	262	2.8	1.0%	285.2
Fulton	5	1.7%	291	2.8	1.1%	265.8
Gibson	5	1.2%	428	4.2	1.0%	423.8
Grant	8	0.8%	988	12.6	1.2%	1039.2
Greene	8	1.9%	420	4.6	1.2%	399.0
Hamilton	29	1.4%	2039	24.4	1.3%	1850.4
Hancock	9	1.5%	616	7.6	1.3%	604.8
Harrison	17	4.2%	404	11.0	2.7%	402.4
Hendricks	26	2.5%	1044	15.6	1.5%	1010.2
Henry	13	2.2%	597	11.4	1.8%	624.0
Howard	16	1.2%	1309	12.0	1.0%	1249.6
Huntington	6	1.2%	511	7.4	1.4%	521.0
Jackson	7	1.2%	589	7.2	1.3%	547.2
Jasper	9	2.4%	379	5.6	1.5%	367.6
Jay	5	1.5%	341	3.6	1.1%	338.8
Jefferson	9	2.1%	421	6.0	1.5%	410.6
Jennings	3	0.8%	390	5.4	1.5%	352.4
Johnson	22	1.7%	1308	24.4	1.9%	1298.8
Knox	5	1.1%	467	4.6	1.0%	482.8
Kosciusko	12	1.1%	1068	10.8	1.0%	1101.2
LaGrange	0	0.0%	654	1.6	0.3%	627.4
Lake	117	1.5%	7559	120.8	1.6%	7572.0
Laporte	14	1.0%	1472	25.2	1.7%	1527.2

Deliveries includes both live births and fetal deaths.

Source: Indiana State Department of Health Vital Statistics

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Table 1
**Number and Percentage of Deliveries Indicating a Diabetic Complication of
Pregnancy by County, 1989-1993**

	1989			1990		
	Diabetes Indicated	Percent	Total Deliveries	Diabetes Indicated	Percent	Total Deliveries
Indiana	1088	1.3%	83854	1203	1.4%	86620
Lawrence	8	1.4%	568	5	0.9%	572
Madison	26	1.5%	1748	36	2.0%	1817
Marion	188	1.3%	14727	237	1.5%	15310
Marshall	10	1.6%	631	9	1.4%	636
Martin	2	1.4%	145	2	1.3%	157
Miami	10	1.5%	655	8	1.3%	611
Monroe	10	0.8%	1242	12	0.9%	1274
Montgomery	4	0.8%	509	3	0.6%	530
Morgan	15	1.9%	805	11	1.2%	881
Newton	3	1.6%	192	2	1.2%	171
Noble	8	1.3%	622	4	0.6%	661
Ohio	0	0.0%	74	0	0.0%	78
Orange	5	2.1%	233	4	1.6%	243
Owen	4	1.7%	235	4	1.5%	259
Parke	1	0.5%	191	1	0.5%	208
Perry	3	1.2%	242	6	2.6%	231
Pike	2	1.3%	155	3	1.9%	162
Porter	20	1.3%	1559	21	1.3%	1641
Posey	5	1.3%	371	3	0.8%	368
Pulaski	5	2.6%	190	4	1.8%	220
Putnam	4	1.0%	385	4	1.0%	396
Randolph	6	1.6%	364	16	4.7%	343
Ripley	2	0.5%	400	4	1.0%	399
Rush	5	1.9%	267	4	1.6%	247
St. Joseph	42	1.1%	3934	58	1.5%	3924
Scott	4	1.2%	345	3	0.9%	329
Shelby	7	1.3%	532	5	0.9%	548
Spencer	4	1.5%	266	5	1.9%	267
Starke	2	0.6%	310	3	0.8%	364
Steuben	3	0.7%	419	6	1.7%	358
Sullivan	2	0.8%	257	3	1.3%	228
Switzerland	1	1.2%	82	2	2.0%	98
Tippecanoe	20	1.1%	1879	15	0.8%	1851
Tipton	2	0.9%	211	0	0.0%	211
Union	0	0.0%	82	1	1.1%	89
Vanderburgh	37	1.6%	2380	25	1.0%	2584
Vermillion	2	1.2%	171	2	1.0%	192
Vigo	16	1.2%	1390	12	0.8%	1502
Wabash	10	2.1%	472	6	1.3%	463
Warren	2	2.3%	86	1	1.1%	91
Warrick	8	1.4%	583	6	0.9%	635
Washington	2	0.7%	284	3	1.0%	306
Wayne	12	1.2%	1001	15	1.6%	948
Wells	5	1.2%	414	2	0.5%	396
White	5	1.4%	354	5	1.6%	309
Whitley	2	0.5%	397	4	0.9%	435

Deliveries includes both live births and fetal deaths.

Source: Indiana State Department of Health Vital Statistics

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Table 1
**Number and Percentage of Deliveries Indicating a Diabetic Complication of
Pregnancy by County, 1989-1993**

	1991			1992		
	Diabetes Indicated	Percent	Total Deliveries	Diabetes Indicated	Percent	Total Deliveries
Indiana	1366	1.6%	86282	1338	1.6%	84672
Lawrence	6	1.1%	564	8	1.3%	611
Madison	50	2.8%	1789	31	1.8%	1757
Marion	258	1.7%	15162	254	1.7%	14861
Marshall	11	1.7%	636	11	1.7%	642
Martin	1	0.7%	149	0	0.0%	148
Miami	14	2.3%	598	13	2.1%	621
Monroe	12	1.0%	1185	13	1.1%	1216
Montgomery	4	0.7%	553	11	2.3%	480
Morgan	14	1.7%	825	17	1.9%	875
Newton	6	2.9%	208	3	1.7%	175
Noble	6	1.0%	616	7	1.1%	632
Ohio	1	1.4%	74	0	0.0%	58
Orange	3	1.2%	252	5	2.4%	210
Owen	3	1.3%	231	4	1.5%	262
Parke	3	1.7%	172	2	1.1%	181
Perry	2	0.9%	212	9	4.3%	209
Pike	3	1.7%	178	6	4.0%	149
Porter	23	1.4%	1702	33	2.0%	1661
Posey	3	0.9%	344	9	2.5%	356
Pulaski	2	1.0%	210	1	0.5%	185
Putnam	6	1.5%	396	6	1.5%	391
Randolph	15	4.3%	352	21	5.9%	355
Ripley	8	1.9%	414	3	0.7%	411
Rush	2	0.7%	280	2	0.8%	257
St. Joseph	64	1.7%	3855	67	1.7%	3847
Scott	6	2.0%	293	8	2.7%	293
Shelby	7	1.2%	561	12	2.0%	596
Spencer	4	1.5%	259	2	0.8%	255
Starke	8	2.5%	326	6	1.9%	322
Steuben	10	2.2%	462	7	1.8%	387
Sullivan	1	0.4%	240	4	1.6%	244
Switzerland	0	0.0%	103	1	1.1%	92
Tippecanoe	31	1.7%	1867	36	1.9%	1870
Tipton	1	0.5%	205	0	0.0%	209
Union	2	1.9%	103	3	2.8%	109
Vanderburgh	30	1.3%	2384	46	1.9%	2360
Vermillion	3	1.4%	219	3	1.5%	196
Vigo	13	0.8%	1532	13	0.9%	1498
Wabash	7	1.5%	457	15	3.4%	436
Warren	0	0.0%	83	2	1.9%	104
Warrick	4	0.6%	664	6	1.0%	594
Washington	5	1.4%	349	2	0.6%	326
Wayne	12	1.2%	1012	9	1.0%	940
Wells	5	1.3%	374	4	1.0%	392
White	4	1.1%	349	4	1.2%	331
Whitley	6	1.5%	398	3	0.7%	424

Deliveries includes both live births and fetal deaths.

Source: Indiana State Department of Health Vital Statistics

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Table 1
**Number and Percentage of Deliveries Indicating a Diabetic Complication of
Pregnancy by County, 1989-1993**

	1993			Five Year Average		
	Diabetes Indicated	Total Percent	Deliveries	Diabetes Indicated	Total Percent	Deliveries
Indiana	1370	1.6%	84321	1273	1.5%	85149.8
Lawrence	12	2.0%	605	7.8	1.3%	584.0
Madison	34	2.0%	1717	35.4	2.0%	1765.6
Marion	224	1.5%	14493	232.2	1.6%	14910.6
Marshall	9	1.5%	617	10.0	1.6%	632.4
Martin	4	3.0%	135	1.8	1.2%	146.8
Miami	13	2.2%	592	11.6	1.9%	615.4
Monroe	28	2.3%	1222	15.0	1.2%	1227.8
Montgomery	8	1.6%	513	6.0	1.2%	517.0
Morgan	15	1.7%	858	14.4	1.7%	848.8
Newton	3	1.8%	165	3.4	1.9%	182.2
Noble	7	1.1%	646	6.4	1.0%	635.4
Ohio	0	0.0%	57	0.2	0.3%	68.2
Orange	5	2.0%	246	4.4	1.9%	236.8
Owen	5	2.0%	251	4.0	1.6%	247.6
Parke	0	0.0%	192	1.4	0.7%	188.8
Perry	3	1.4%	210	4.6	2.1%	220.8
Pike	2	1.4%	142	3.2	2.0%	157.2
Porter	30	1.8%	1663	25.4	1.5%	1645.2
Posey	7	2.0%	346	5.4	1.5%	357.0
Pulaski	6	3.1%	195	3.6	1.8%	200.0
Putnam	4	0.9%	422	4.8	1.2%	398.0
Randolph	18	4.9%	370	15.2	4.3%	356.8
Ripley	3	0.8%	380	4.0	1.0%	400.8
Rush	2	0.7%	271	3.0	1.1%	264.4
St. Joseph	64	1.6%	3886	59.0	1.5%	3889.2
Scott	10	3.1%	322	6.2	2.0%	316.4
Shelby	5	0.8%	590	7.2	1.3%	565.4
Spencer	6	2.4%	250	4.2	1.6%	259.4
Starke	4	1.3%	305	4.6	1.4%	325.4
Steuben	6	1.4%	420	6.4	1.6%	409.2
Sullivan	4	1.8%	223	2.8	1.2%	238.4
Switzerland	1	1.2%	85	1.0	1.1%	92.0
Tippecanoe	32	1.7%	1875	26.8	1.4%	1868.4
Tipton	5	2.4%	209	1.6	0.8%	209.0
Union	0	0.0%	74	1.2	1.3%	91.4
Vanderburgh	38	1.6%	2382	35.2	1.5%	2418.0
Vermillion	1	0.4%	228	2.2	1.1%	201.2
Vigo	15	1.0%	1475	13.8	0.9%	1479.4
Wabash	6	1.5%	407	8.8	2.0%	447.0
Warren	3	2.9%	105	1.6	1.7%	93.8
Warrick	8	1.3%	621	6.4	1.0%	619.4
Washington	11	3.6%	308	4.6	1.5%	314.6
Wayne	8	0.8%	1014	11.2	1.1%	983.0
Wells	4	1.1%	354	4.0	1.0%	386.0
White	6	1.9%	317	4.8	1.4%	332.0
Whitley	2	0.5%	402	3.4	0.8%	411.2

Deliveries includes both live births and fetal deaths.

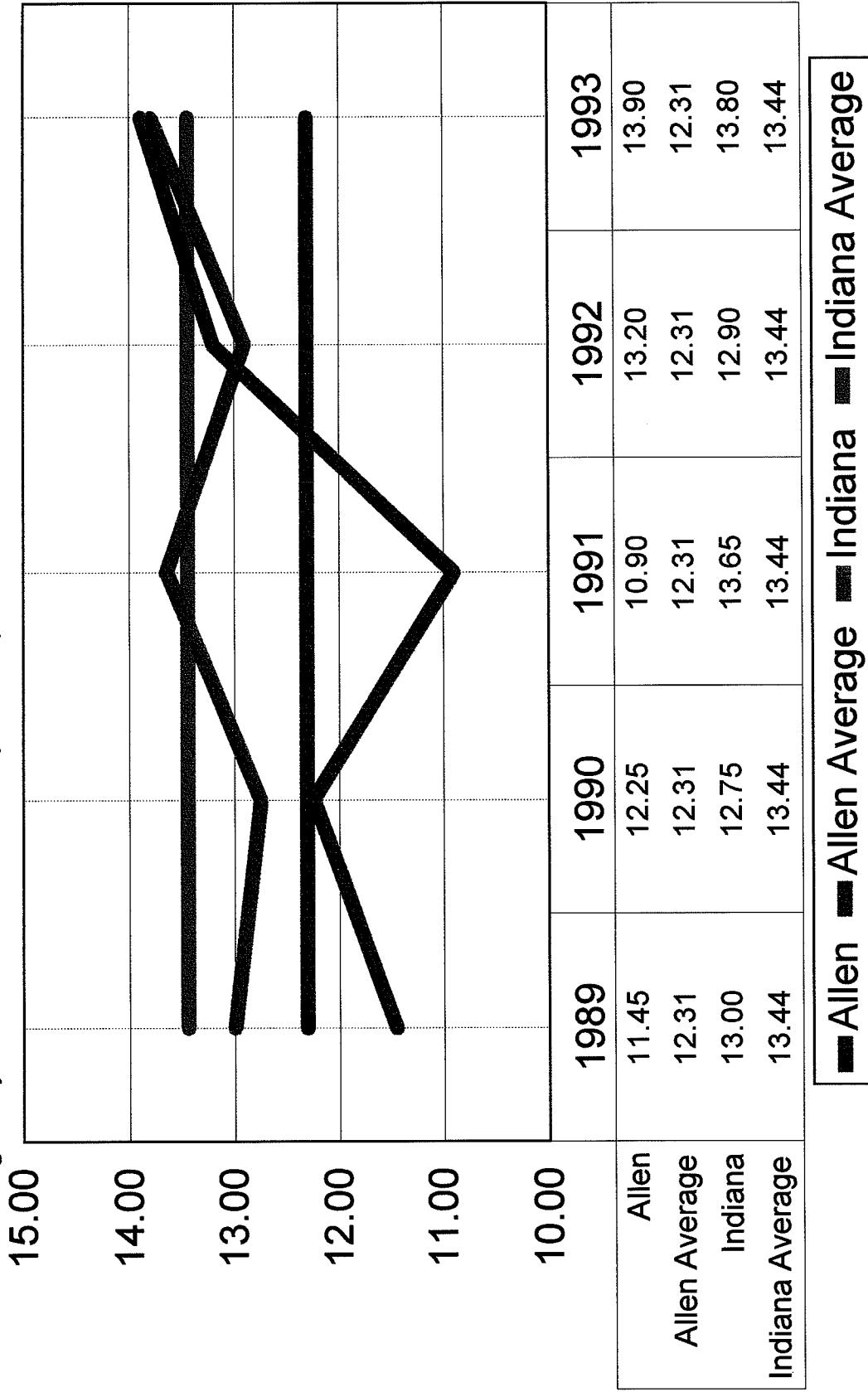
Source: Indiana State Department of Health Vital Statistics

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Allen County

Age-Adjusted Diabetes Mortality Rates per 100,000, 1989-1993



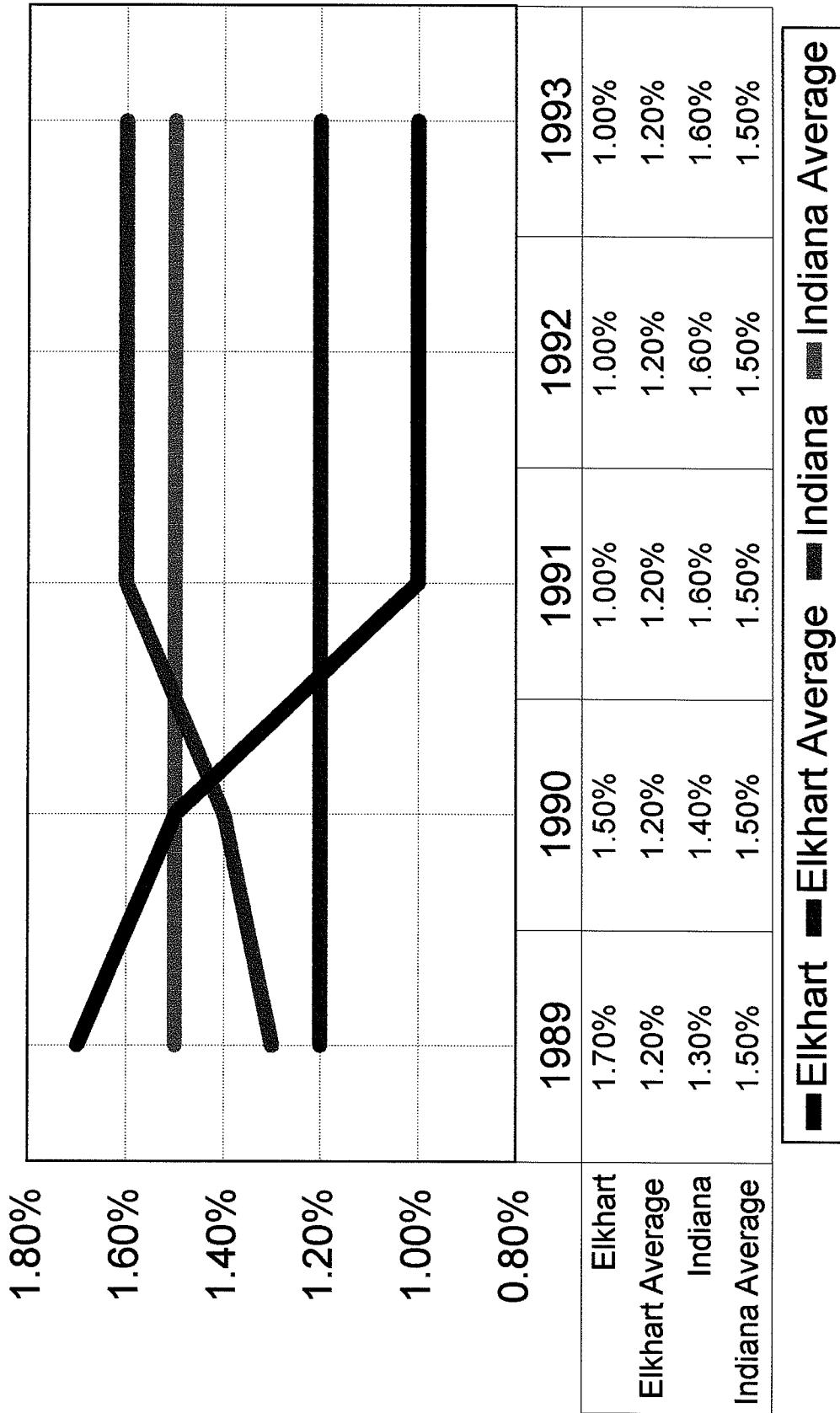
Source: Indiana State Department of Health Vital Statistics.

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Elkhart County

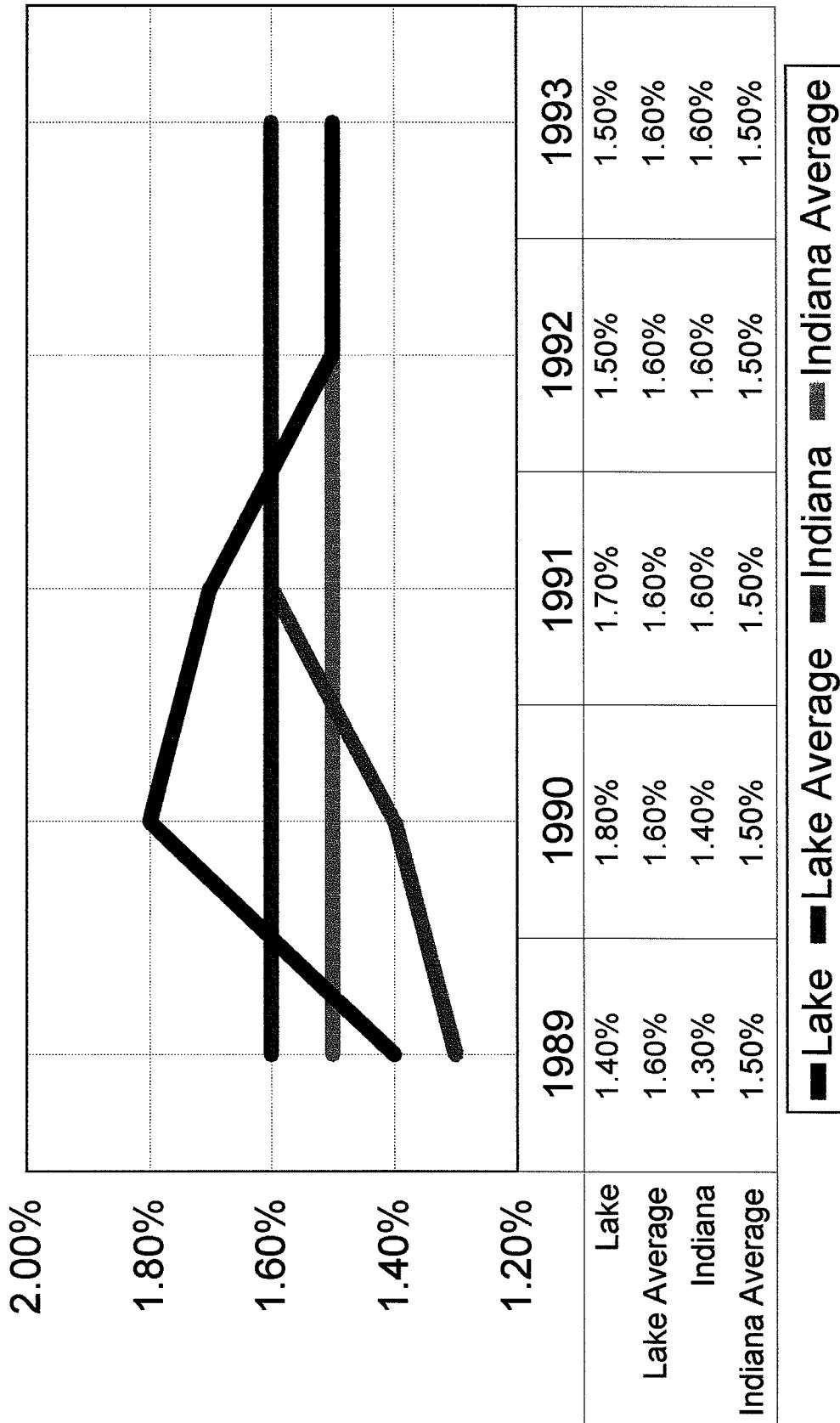
Percent of Deliveries Indicating a Diabetic Complication of Pregnancy



Source: Indiana State Department of Health Vital Statistics.
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Lake County

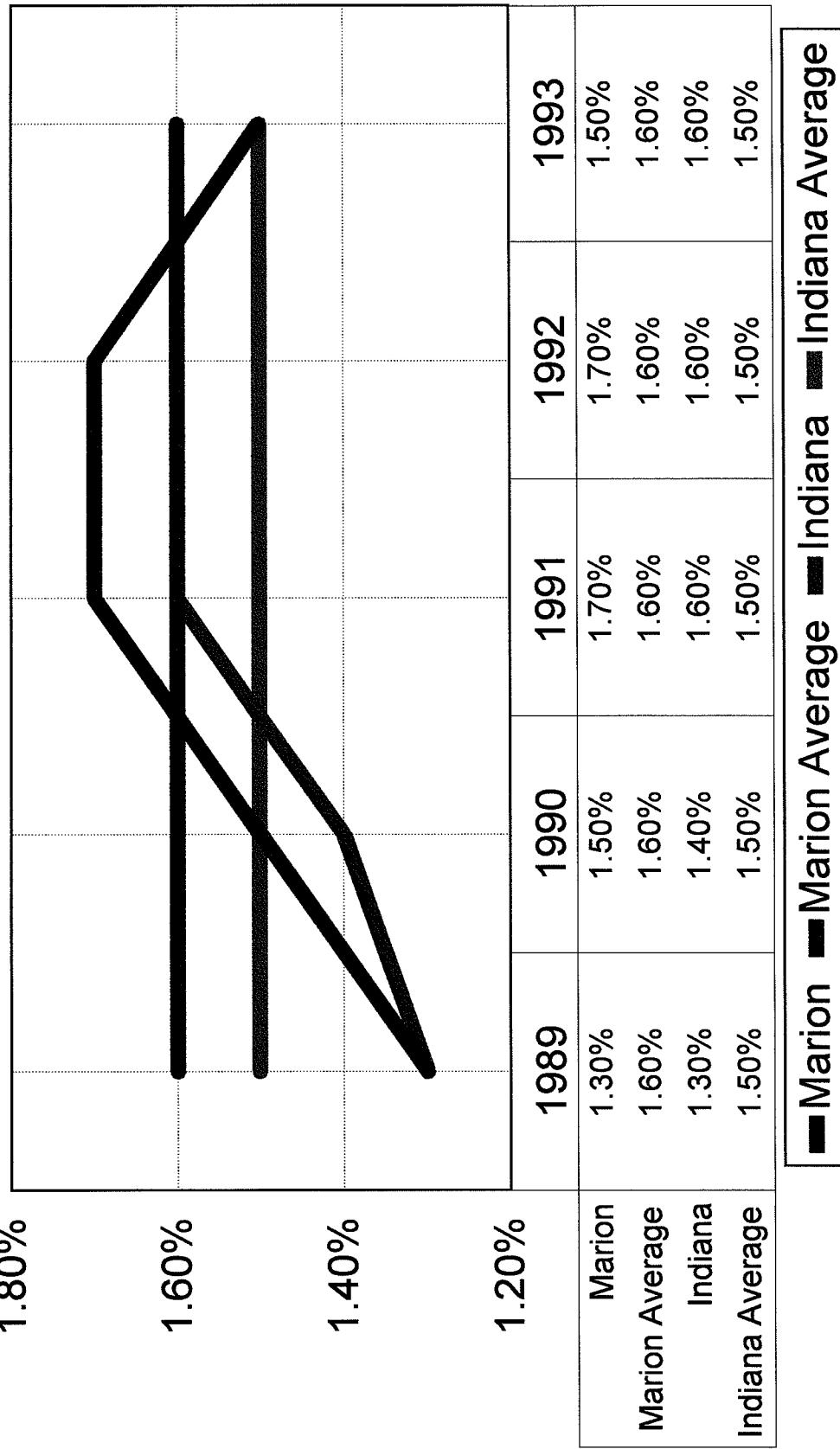
Percent of Deliveries Indicating a Diabetic Complication of Pregnancy



Source: Indiana State Department of Health Vital Statistics.
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Marion County

Percent of Deliveries Indicating a Diabetic Complication of Pregnancy

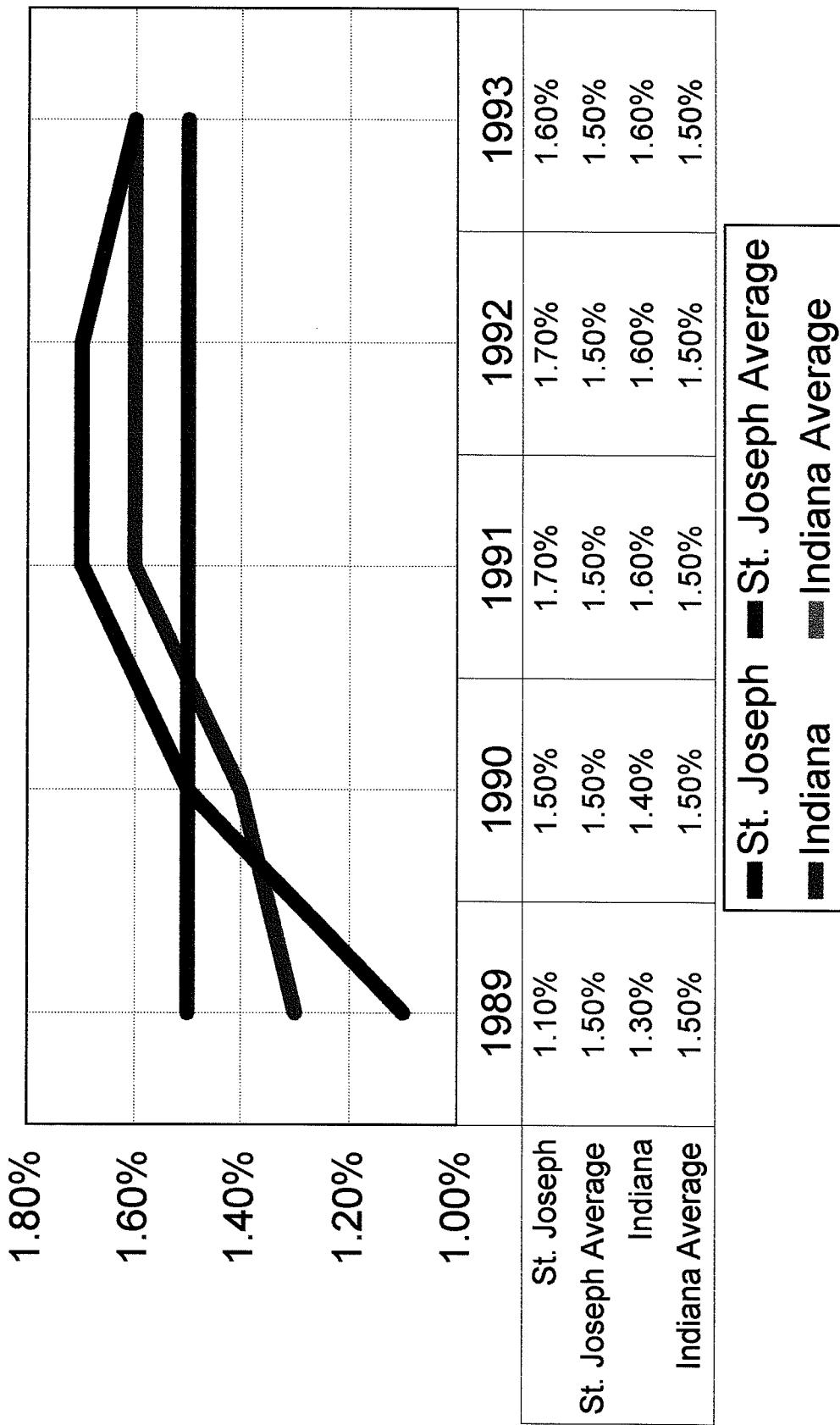


Source: Indiana State Department of Health Vital Statistics.
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St. Joseph County

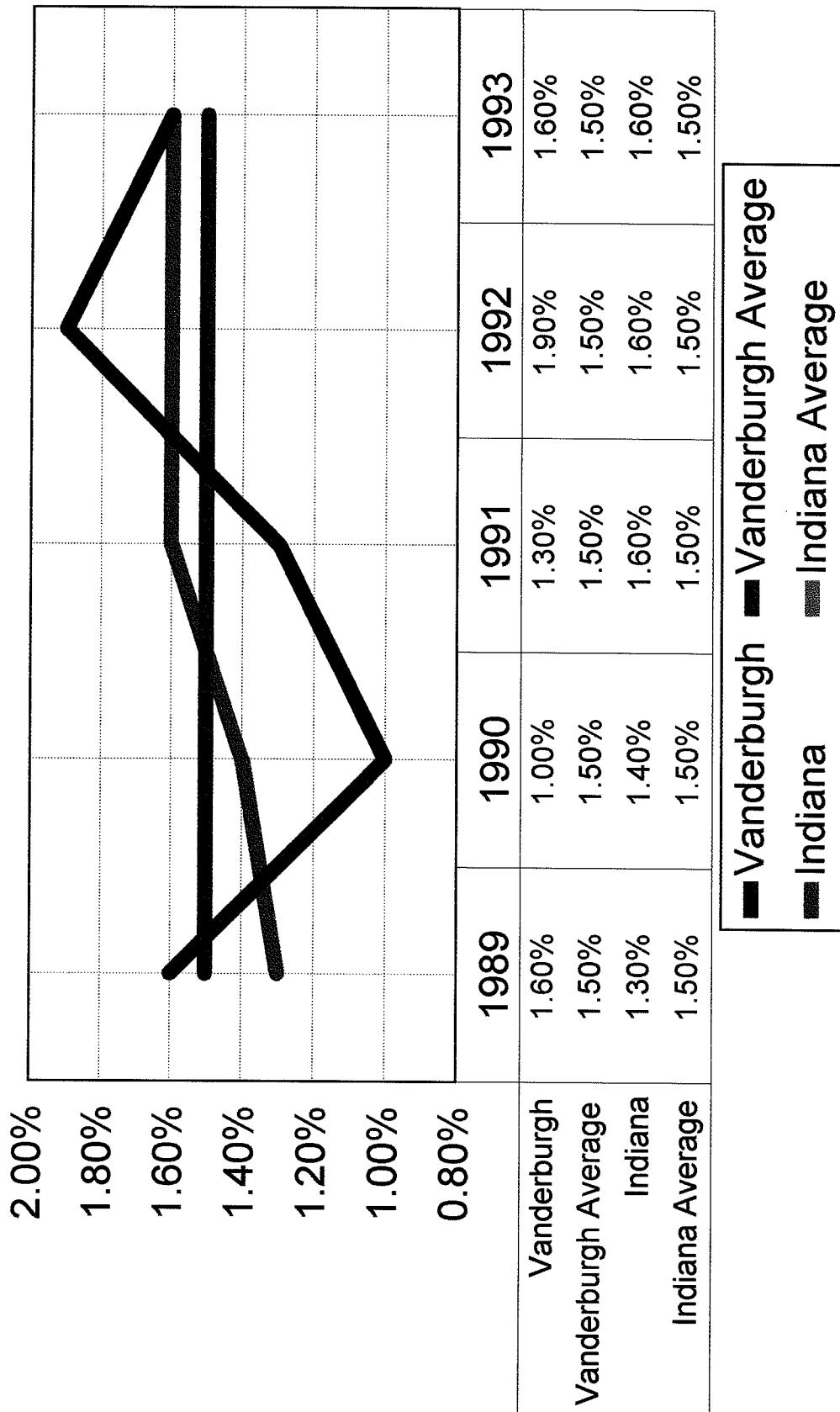
Percent of Deliveries Indicating a Diabetic Complication of Pregnancy



Source: Indiana State Department of Health Vital Statistics.
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Vanderburgh County

Percent of Deliveries Indicating a Diabetic Complication of Pregnancy



Source: Indiana State Department of Health Vital Statistics.
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Table 2

Number and Percentage of Live Births Indicating Diabetes by County, 1991-1993

	1991			1992			1993		
	Diabetes Indicated	Percent	Total Deliveries	Diabetes Indicated	Percent	Total Deliveries	Diabetes Indicated	Percent	Total Deliveries
Indiana	2060	2.4%	85661	2185	2.6%	84058	2235	2.7%	83755
Adams	7	1.2%	590	3	0.6%	544	9	1.6%	548
Allen	73	1.4%	5274	100	1.9%	5133	78	1.6%	4887
Bartholomew	23	2.2%	1029	32	3.4%	955	39	4.0%	968
Benton	6	4.0%	149	7	5.9%	119	5	3.5%	143
Blackford	5	2.7%	184	9	4.6%	196	3	1.7%	179
Boone	11	1.9%	586	12	2.2%	536	13	2.2%	595
Brown	3	2.0%	153	2	1.2%	162	3	1.6%	187
Carroll	5	1.9%	263	3	1.3%	227	6	2.3%	264
Cass	9	1.7%	522	5	1.0%	501	9	1.8%	504
Clark	55	4.4%	1261	51	4.3%	1197	62	5.0%	1229
Clay	12	3.6%	335	5	1.4%	356	9	2.7%	329
Clinton	3	0.6%	476	9	1.9%	463	13	2.9%	454
Crawford	6	4.9%	123	4	3.0%	133	4	3.2%	126
Daviess	6	1.3%	457	10	2.1%	470	3	0.7%	442
Dearborn	11	1.9%	571	12	2.4%	510	13	2.4%	549
Decatur	6	1.6%	368	7	1.8%	396	7	2.0%	343
DeKalb	11	2.0%	553	19	3.3%	568	12	2.2%	546
Delaware	77	5.0%	1535	68	4.5%	1511	84	6.0%	1411
Dubois	21	3.6%	576	15	2.5%	593	15	2.7%	553
Elkhart	85	3.2%	2634	81	3.1%	2624	92	3.4%	2722
Fayette	6	1.7%	344	8	2.0%	402	10	3.3%	306
Floyd	35	3.5%	1011	34	3.8%	893	50	5.2%	959
Fountain	7	2.8%	251	9	3.7%	244	5	2.2%	231
Franklin	1	0.3%	301	7	2.2%	314	6	2.3%	262
Fulton	2	0.7%	273	8	3.6%	224	7	2.4%	290
Gibson	11	2.7%	415	6	1.4%	417	7	1.6%	427
Grant	18	1.7%	1078	22	2.2%	1002	14	1.4%	987
Greene	8	2.0%	398	5	1.3%	374	9	2.1%	420
Hamilton	45	2.4%	1880	37	1.9%	1942	52	2.6%	2037
Hancock	20	3.4%	588	10	1.8%	570	15	2.4%	613
Harrison	17	4.3%	397	11	2.8%	394	20	5.0%	403
Hendricks	30	3.1%	961	29	2.9%	994	46	4.4%	1043
Henry	20	3.1%	635	22	3.6%	615	18	3.0%	594
Howard	23	1.9%	1201	24	1.9%	1232	24	1.8%	1300
Huntington	11	2.1%	527	10	2.0%	504	13	2.6%	506
Jackson	15	2.6%	568	6	1.1%	539	11	1.9%	583
Jasper	9	2.4%	376	13	3.7%	353	13	3.4%	378
Jay	4	1.1%	368	6	1.9%	322	8	2.4%	338
Jefferson	11	2.6%	423	5	1.2%	409	13	3.1%	420
Jennings	10	2.7%	369	19	5.2%	363	9	2.3%	390
Johnson	38	2.9%	1332	41	3.1%	1334	43	3.3%	1305
Knox	3	0.6%	488	5	1.1%	463	6	1.3%	464
Kosciusko	28	2.6%	1096	38	3.6%	1046	30	2.8%	1064
LaGrange	1	0.1%	687	5	0.8%	592	6	0.9%	653
Lake	195	2.5%	7686	233	3.1%	7602	218	2.9%	7481
Laporte	45	2.9%	1539	55	3.6%	1524	46	3.1%	1462

Table 2
Number and Percentage of Live Births Indicating Diabetes by County, 1991-1993

	1991			1992			1993		
	Diabetes Indicated	Percent	Total Deliveries	Diabetes Indicated	Percent	Total Deliveries	Diabetes Indicated	Percent	Total Deliveries
Indiana	2060	2.4%	85661	2185	2.6%	84058	2235	2.7%	83755
Lawrence	8	1.4%	557	9	1.5%	607	12	2.0%	605
Madison	58	3.3%	1776	42	2.4%	1750	44	2.6%	1711
Marion	402	2.7%	14995	405	2.8%	14700	380	2.6%	14342
Marshall	16	2.5%	630	14	2.2%	640	12	2.0%	612
Martin	1	0.7%	149	0	0.0%	148	4	3.0%	135
Miami	23	3.9%	595	17	2.7%	620	20	3.4%	592
Monroe	15	1.3%	1166	20	1.7%	1199	31	2.6%	1205
Montgomery	7	1.3%	549	13	2.7%	475	12	2.3%	511
Morgan	17	2.1%	822	25	2.9%	874	27	3.2%	855
Newton	8	3.8%	208	5	2.9%	175	4	2.4%	165
Noble	10	1.6%	613	12	1.9%	631	13	2.0%	646
Ohio	2	2.7%	74	0	0.0%	58	0	0.0%	57
Orange	6	2.4%	252	5	2.4%	209	6	2.4%	245
Owen	3	1.3%	231	7	2.7%	262	5	2.0%	251
Parke	9	5.2%	172	8	4.4%	181	9	4.7%	192
Perry	2	0.9%	211	11	5.3%	208	4	1.9%	210
Pike	4	2.2%	178	8	5.4%	149	3	2.1%	142
Porter	39	2.3%	1687	46	2.8%	1656	40	2.4%	1658
Posey	5	1.5%	344	10	2.8%	356	7	2.0%	346
Pulaski	2	1.0%	209	1	0.5%	184	9	4.6%	194
Putnam	11	2.8%	396	12	3.1%	388	9	2.1%	419
Randolph	18	5.1%	351	22	6.2%	355	21	5.7%	370
Ripley	12	2.9%	414	4	1.0%	411	8	2.1%	377
Rush	4	1.4%	279	7	2.7%	257	5	1.8%	271
St. Joseph	89	2.3%	3825	79	2.1%	3809	75	1.9%	3856
Scott	7	2.4%	293	10	3.4%	293	12	3.7%	322
Shelby	10	1.8%	559	18	3.0%	596	9	1.5%	586
Spencer	6	2.3%	259	6	2.4%	255	6	2.4%	250
Starke	7	2.2%	325	7	2.2%	322	4	1.3%	305
Steuben	12	2.6%	460	12	3.1%	385	11	2.6%	420
Sullivan	1	0.4%	239	4	1.6%	243	5	2.3%	222
Switzerland	0	0.0%	103	1	1.1%	92	1	1.2%	85
Tippecanoe	43	2.3%	1845	55	3.0%	1858	54	2.9%	1861
Tipton	2	1.0%	204	1	0.5%	208	7	3.3%	209
Union	2	1.9%	103	5	4.6%	109	2	2.7%	74
Vanderburgh	42	1.8%	2354	62	2.7%	2326	55	2.3%	2353
Vermillion	7	3.2%	219	3	1.5%	195	5	2.2%	227
Vigo	38	2.5%	1521	22	1.5%	1475	40	2.7%	1464
Wabash	9	2.0%	455	21	4.8%	434	14	3.4%	407
Warren	0	0.0%	83	2	1.9%	104	3	2.9%	105
Warrick	9	1.4%	663	9	1.5%	594	12	1.9%	621
Washington	6	1.7%	349	6	1.8%	326	13	4.2%	308
Wayne	21	2.1%	1000	19	2.0%	938	20	2.0%	1008
Wells	5	1.4%	370	9	2.3%	387	11	3.1%	353
White	7	2.0%	348	5	1.5%	331	8	2.5%	316
Whitley	7	1.8%	395	4	0.9%	423	5	1.3%	397

Table 2
Number and Percentage of Live Births Indicating Diabetes by County, 1991-1993

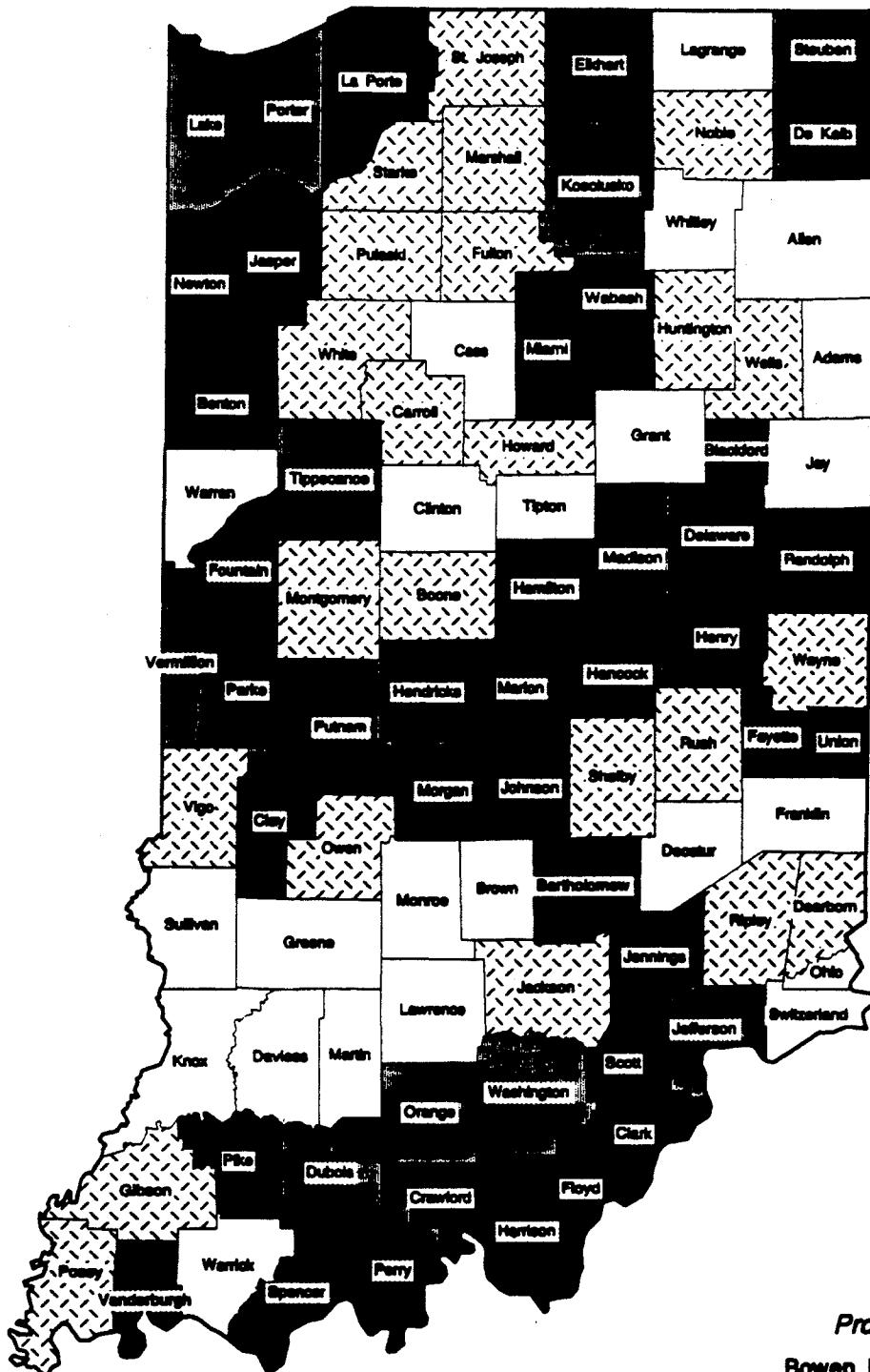
	Three Year Average				Complications of Pregnancy		
	Diabetes Indicated	Percent	Total Deliveries	Rank	Diabetes Indicated	Percent	Adjustment Factor
Indiana	2160	2.56%	84491.3	NA	1339.0	1.58%	1.6131
Adams	6.3	1.13%	560.7	5	3.0	0.54%	2.1111
Allen	83.7	1.64%	5098.0	16	43.0	0.84%	1.9457
Bartholomew	31.3	3.18%	984.0	75	8.7	0.88%	3.6154
Benton	6.0	4.38%	137.0	88	3.0	2.19%	2.0000
Blackford	5.7	3.04%	186.3	70	5.3	2.86%	1.0625
Boone	12.0	2.10%	572.3	37	4.3	0.76%	2.7692
Brown	2.7	1.59%	167.3	11	1.7	1.00%	1.6000
Carroll	4.7	1.86%	251.3	25	2.7	1.06%	1.7500
Cass	7.7	1.51%	509.0	10	5.7	1.11%	1.3529
Clark	56.0	4.56%	1229.0	89	42.0	3.42%	1.3333
Clay	8.7	2.55%	340.0	58	5.0	1.47%	1.7333
Clinton	8.3	1.79%	464.3	20	4.3	0.93%	1.9231
Crawford	4.7	3.66%	127.3	85	4.3	3.40%	1.0769
Daviess	6.3	1.39%	456.3	8	5.3	1.17%	1.1875
Dearborn	12.0	2.21%	543.3	42	9.3	1.72%	1.2857
Decatur	6.7	1.81%	369.0	21	3.3	0.90%	2.0000
DeKalb	14.0	2.52%	555.7	55	10.0	1.80%	1.4000
Delaware	76.3	5.14%	1485.7	91	70.0	4.71%	1.0905
Dubois	17.0	2.96%	574.0	68	12.3	2.15%	1.3784
Elkhart	86.0	3.23%	2660.0	79	26.0	0.98%	3.3077
Fayette	8.0	2.28%	350.7	48	6.7	1.90%	1.2000
Floyd	39.7	4.16%	954.3	87	32.3	3.39%	1.2268
Fountain	7.0	2.89%	242.0	67	5.3	2.20%	1.3125
Franklin	4.7	1.60%	292.3	12	3.3	1.14%	1.4000
Fulton	5.7	2.16%	262.3	41	3.0	1.14%	1.8889
Gibson	8.0	1.91%	419.7	29	6.0	1.43%	1.3333
Grant	18.0	1.76%	1022.3	19	9.0	0.88%	2.0000
Greene	7.3	1.85%	397.3	22	5.7	1.43%	1.2941
Hamilton	44.7	2.29%	1953.0	49	25.7	1.31%	1.7403
Hancock	15.0	2.54%	590.3	56	9.3	1.58%	1.6071
Harrison	16.0	4.02%	398.0	86	13.0	3.27%	1.2308
Hendricks	35.0	3.50%	999.3	84	17.0	1.70%	2.0588
Henry	20.0	3.25%	614.7	80	12.3	2.01%	1.6216
Howard	23.7	1.90%	1244.3	28	12.7	1.02%	1.8684
Huntington	11.3	2.21%	512.3	43	8.0	1.56%	1.4167
Jackson	10.7	1.89%	563.3	27	8.3	1.48%	1.2800
Jasper	11.7	3.16%	369.0	74	7.3	1.99%	1.5909
Jay	6.0	1.75%	342.7	18	3.7	1.07%	1.6364
Jefferson	9.7	2.32%	417.3	50	7.7	1.84%	1.2609
Jennings	12.7	3.39%	374.0	82	5.7	1.52%	2.2353
Johnson	40.7	3.07%	1323.7	71	24.0	1.81%	1.6944
Knox	4.7	0.99%	471.7	3	4.0	0.85%	1.1667
Kosciusko	32.0	2.99%	1068.7	69	11.7	1.09%	2.7429
LaGrange	4.0	0.62%	644.0	1	1.3	0.21%	3.0000
Lake	215.3	2.84%	7589.7	66	118.7	1.56%	1.8146
Laporte	48.7	3.23%	1508.3	78	24.0	1.59%	2.0278

Table 2
Number and Percentage of Live Births Indicating Diabetes by County, 1991-1993

	Three Year Average				Complications of Pregnancy		
	Diabetes Indicated	Percent	Total Deliveries	Rank	Diabetes Indicated	Percent	Adjustment Factor
Indiana	2160	2.56%	84491.3	NA	1339.0	1.58%	1.6131
Lawrence	9.7	1.64%	589.7	15	8.7	1.47%	1.1154
Madison	48.0	2.75%	1745.7	64	38.3	2.20%	1.2522
Marion	395.7	2.70%	14679.0	60	241.0	1.64%	1.6418
Marshall	14.0	2.23%	627.3	44	10.3	1.65%	1.3548
Martin	1.7	1.16%	144.0	6	1.7	1.16%	1.6131
Miami	20.0	3.32%	602.3	81	13.3	2.21%	1.5000
Monroe	22.0	1.85%	1190.0	23	17.3	1.46%	1.2692
Montgomery	10.7	2.08%	511.7	36	7.3	1.43%	1.4545
Morgan	23.0	2.70%	850.3	62	15.3	1.80%	1.5000
Newton	5.7	3.10%	182.7	72	4.0	2.19%	1.4167
Noble	11.7	1.85%	630.0	24	6.7	1.06%	1.7500
Ohio	0.7	1.06%	63.0	4	.3	0.53%	1.6131
Orange	5.7	2.41%	235.3	53	4.3	1.84%	1.3077
Owen	5.0	2.02%	248.0	33	4.0	1.61%	1.2500
Parke	8.7	4.77%	181.7	90	1.7	0.92%	5.2000
Perry	5.7	2.70%	209.7	61	4.7	2.23%	1.6131
Pike	5.0	3.20%	156.3	77	3.7	2.35%	1.3636
Porter	41.7	2.50%	1667.0	54	28.0	1.68%	1.4881
Posey	7.3	2.10%	348.7	38	6.3	1.82%	1.1579
Pulaski	4.0	2.04%	195.7	35	3.0	1.53%	1.6131
Putnam	10.7	2.66%	401.0	59	5.3	1.33%	2.0000
Randolph	20.3	5.67%	358.7	92	18.0	5.02%	1.1296
Ripley	8.0	2.00%	400.7	31	4.7	1.16%	1.7143
Rush	5.3	1.98%	269.0	30	2.0	0.74%	2.6667
St. Joseph	81.0	2.11%	3830.0	39	64.3	1.68%	1.2591
Scott	9.7	3.19%	302.7	76	8.0	2.64%	1.2083
Shelby	12.3	2.13%	580.3	40	8.0	1.38%	1.5417
Spencer	6.0	2.36%	254.7	52	4.0	1.57%	1.5000
Starke	6.0	1.89%	317.3	26	5.7	1.79%	1.0588
Steuben	11.7	2.77%	421.7	65	7.7	1.82%	1.5217
Sullivan	3.3	1.42%	234.7	9	3.0	1.28%	1.1111
Switzerland	0.7	0.71%	93.3	2	.7	0.71%	1.6131
Tippecanoe	50.7	2.73%	1854.7	63	32.3	1.74%	1.5670
Tipton	3.3	1.61%	207.0	14	2.0	0.97%	1.6131
Union	3.0	3.15%	95.3	73	1.7	1.75%	1.6131
Vanderburgh	53.0	2.26%	2344.3	47	36.7	1.56%	1.4455
Vermillion	5.0	2.34%	213.7	51	2.3	1.09%	2.1429
Vigo	33.3	2.24%	1486.7	45	13.0	0.87%	2.5641
Wabash	14.7	3.40%	432.0	83	9.3	2.16%	1.5714
Warren	1.7	1.71%	97.3	17	1.7	1.71%	1.6131
Warrick	10.0	1.60%	626.0	13	6.0	0.96%	1.6667
Washington	8.3	2.54%	327.7	57	6.0	1.83%	1.3889
Wayne	20.0	2.04%	982.0	34	9.7	0.98%	2.0690
Wells	8.3	2.25%	370.0	46	4.0	1.08%	2.0833
White	6.7	2.01%	331.7	32	4.7	1.41%	1.4286
Whitley	5.3	1.32%	405.0	7	3.3	0.82%	1.6000

Indiana County Rankings of Rates of Diabetes Indicated Live Births

Average of 1991-1993



Produced by:

Bowen Research Center

County Rank (1 = Lowest Rate)



1 to 23



23 to 48



46 to 69



69 to 92

Table 3
**Comparison of Diabetes Indicated Live Births and Maternal,
Prenatal and Birth Characteristics**

	Diabetes Indicated		No Indications		Total					
	Births	Percent	Births	Percent	Births	Percent				
Mother's Race	<i>Chi-square = 94.069, p = 0.001</i>									
White	5,838	90.1%	216,495	87.6%	222,333	87.7%				
Black	517	8.0%	27,662	11.2%	28,179	11.1%				
Nonwhite/black	125	1.9%	2,884	1.2%	3,009	1.2%				
Mother's Ethnicity	<i>Chi-square = 12.873, p = 0.001</i>									
Hispanic	211	3.3%	6,282	2.5%	6,493	2.6%				
Nonhispanic	6,269	96.7%	240,759	97.5%	247,028	97.4%				
Mother's Marital Status	<i>Chi-square = 321.162, p = 0.001</i>									
Married	5,215	80.5%	173,270	70.2%	178,485	70.5%				
Not married	1,265	19.5%	73,594	29.8%	74,859	29.5%				
Mother's Educational Attainment	<i>t = 10.641, p = 0.001</i>									
Less than HS Diploma	901	14.0%	51,826	21.1%	52,727	20.9%				
Diploma or equivalent	2,876	44.7%	103,547	42.2%	106,423	42.2%				
Some college	1,507	23.4%	50,146	20.4%	51,653	20.5%				
College Degree	1,153	17.9%	40,122	16.3%	41,275	16.4%				
<i>Mean Years</i>	<i>m = 12.88</i>		<i>m = 12.59</i>		<i>m = 12.60</i>					
Mother's Age in Years	<i>t = 39.623, p < 0.0001</i>									
Under 18	82	1.3%	12,703	5.2%	12,785	5.1%				
18-24	1,526	23.9%	96,637	39.4%	98,163	39.0%				
25-29	2,007	31.4%	72,825	29.7%	74,832	29.7%				
30-34	1,799	28.1%	46,097	18.8%	47,896	19.0%				
35 and above	981	15.3%	17,123	7.0%	18,104	7.2%				
<i>Mean</i>	<i>m = 28.53</i>		<i>m = 25.72</i>		<i>m = 25.79</i>					
Prenatal Care Utilization										
<i>Kessner Index</i>	<i>Chi-square = 323.489, p = 0.001</i>									
Adequate	5,113	78.9%	170,126	68.9%	175,239	69.1%				
Intermediate	1,005	15.5%	53,424	21.6%	54,429	21.5%				
Inadequate	187	2.9%	15,391	6.2%	15,578	6.1%				
Unknown	175	2.7%	8,100	3.3%	8,275	3.3%				
<i>APNCU Index</i>	<i>Chi-square = 1736.99, p = 0.001</i>									
Adequate Plus	2,519	38.9%	46,924	19.0%	49,443	19.5%				
Adequate	2,742	42.3%	117,690	47.6%	120,432	47.5%				
Intermediate	560	8.6%	41,008	16.6%	41,568	16.4%				
Inadequate	493	7.6%	33,602	13.6%	34,095	13.4%				
Unknown	166	2.6%	7,817	3.2%	7,983	3.1%				
No Prenatal Care	<i>Chi-square = 31.310, p = 0.001</i>									
Yes	55	0.9%	4,445	1.9%	4,500	1.8%				
No	6,259	99.1%	234,779	98.1%	241,038	98.2%				
Mother's Participation in WIC	<i>Chi-square = 20.096, p = 0.001</i>									
Yes	2,026	32.9%	84,869	35.7%	86,895	35.6%				
No	4,124	67.1%	152,752	64.3%	156,876	64.4%				

Table 3
**Comparison of Diabetes Indicated Live Births and Maternal,
Prenatal and Birth Characteristics**

	Diabetes Indicated		No Indications		Total	
	Births	Percent	Births	Percent	Births	Percent
Previous Live Births	<i>t= 4.4346, p< 0.0001</i>					
None	2,454	38.2%	100,139	40.9%	102,593	40.8%
One	2,162	33.6%	81,373	33.2%	83,535	33.2%
Two or more	1,816	28.2%	63,459	25.9%	65,275	26.0%
<i>Mean</i>	<i>m= 1.07</i>		<i>m= 1.01</i>		<i>m= 1.01</i>	
Previous Fetal Deaths	<i>t= 5.2541, p= 0.001</i>					
None	6,181	96.3%	238,954	97.7%	245,135	97.7%
One or more	240	3.7%	5,607	2.3%	5,847	2.3%
<i>Mean</i>	<i>m= 0.046</i>		<i>m= 0.028</i>		<i>m= 0.029</i>	
Previous High Risk Pregnancy	<i>Chi-square= 441.428, p= 0.001</i>					
Yes	968	15.0%	19,184	7.8%	20,152	8.0%
No	5,471	85.0%	225,791	92.2%	231,262	92.0%
Mother's Smoking Status	<i>Chi-square= 22.071, p= 0.001</i>					
Yes	1,433	22.2%	60,797	24.7%	62,230	24.7%
No	5,032	77.8%	185,180	75.3%	190,212	75.3%
Maternal Weight Gain in Pounds	<i>t= 20.2029, p< 0.0001</i>					
Less than 20	1,573	25.2%	31,788	13.3%	33,361	13.6%
20-24	940	15.1%	32,361	13.5%	33,301	13.5%
25-29	842	13.5%	36,637	15.3%	37,479	15.2%
30-34	929	14.9%	46,085	19.2%	47,014	19.1%
35 or more	1,956	31.3%	92,665	38.7%	94,621	38.5%
<i>Mean</i>	<i>m= 28.33</i>		<i>m= 31.648</i>		<i>m= 31.56</i>	
Method of Delivery	<i>Chi-square= 520.537, p= 0.001</i>					
Vaginal	5,001	77.4%	214,505	87.1%	219,506	86.8%
Cesarean	1,463	22.6%	31,809	12.9%	33,272	13.2%
Indications for Cesarean Section	<i>Chi-square= 936.751, p= 0.001</i>					
Yes	2,284	36.9%	49,755	20.8%	52,039	21.2%
No	3,903	63.1%	189,397	79.2%	193,300	78.8%
Complications of Labor and Delivery	<i>Chi-square= 296.813, p= 0.001</i>					
Yes	2,387	37.0%	67,158	27.3%	69,545	27.5%
No	4,065	63.0%	178,929	72.7%	182,994	72.5%
Obstetric Procedures	<i>Chi-square= 101.194, p= 0.001</i>					
Yes	6,140	94.8%	224,959	91.3%	231,099	91.4%
No	335	5.2%	21,523	8.7%	21,858	8.6%
Apgar Score at 5 minutes	<i>t= 8.64, p= 0.0001</i>					
Less than 5	54	0.8%	1,569	0.6%	1,623	0.6%
5-7	282	4.4%	7,643	3.1%	7,925	3.2%
8 or more	6,127	94.8%	235,835	96.2%	241,962	96.2%
<i>Mean</i>	<i>m= 8.818</i>		<i>m= 8.919</i>		<i>m= 8.916</i>	

Table 3
**Comparison of Diabetes Indicated Live Births and Maternal,
Prenatal and Birth Characteristics**

	Diabetes Indicated		No Indications		Total	
	Births	Percent	Births	Percent	Births	Percent
Multiple Births	<i>Chi-square = 234.077, p = 0.001</i>					
Yes	350	5.4%	5,943	2.4%	6,293	2.5%
No	6,130	94.6%	241,098	97.6%	247,228	97.5%
Birthweight in Grams	<i>t = 10.315, p = 0.0001</i>					
Less than 1500	76	1.2%	3,065	1.2%	3,141	1.2%
1500-2499	422	6.5%	13,644	5.5%	14,066	5.6%
2500 to 3999	4,788	73.9%	202,487	82.0%	207,275	81.8%
4000 or more	1,192	18.4%	27,672	11.2%	28,864	11.4%
<i>Mean</i>	<i>m = 3446.7</i>		<i>m = 3358.3</i>		<i>m = 3360.5</i>	
Gestation in Weeks	<i>t = 20.2272, p = 0.0000</i>					
Less than 32 weeks	91	1.4%	3,522	1.4%	3,613	1.4%
32-36	671	10.4%	14,353	5.8%	15,024	5.9%
37 or more	5,710	88.2%	228,665	92.7%	234,375	92.6%
<i>Mean</i>	<i>m = 38.60</i>		<i>m = 39.16</i>		<i>m = 39.15</i>	
Abnormal Conditions of Newborn	<i>Chi-square = 247.828, p = 0.001</i>					
Yes	655	10.1%	13,664	5.6%	14,319	5.7%
No	5,803	89.9%	232,408	94.4%	238,211	94.3%
Congenital Anomaly	<i>Chi-square = 52.036, p = 0.001</i>					
Yes	175	2.7%	3,865	1.6%	4,040	1.6%
No	6,281	97.3%	242,338	98.4%	248,619	98.4%
Infant Died Before 1 Year old	<i>Chi-square = 0.245, p = 0.621</i>					
Yes	56	0.9%	1,997	0.8%	2,053	0.8%
No	6,424	99.1%	245,044	99.2%	251,468	99.2%

Table 4

***Conditional Odds Ratios for Adverse Birth Outcomes of Diabetics While
Controlling for Maternal Race, Educational Attainment, and Age***

Birth Outcome	Odds Ratio	95% Confidence Limits	
Cesarean Section	1.995	1.878	2.119
Abnormal Condition of Newborn	1.949	1.793	2.120
Obstetric Procedure	1.908	1.707	2.134
Congenital Anomaly	1.762	1.508	2.058
Preterm Birth (<37 weeks)	1.748	1.615	1.891
Complication of Labor and Delivery	1.595	1.514	1.680
5 Minute Apgar Score < 7	1.442	1.221	1.703
Infant Died during first 365 days of life	1.132	0.861	1.487

Table 5

Diabetes Mortality Rates per 100,000 for Indiana by Race, Gender, Age, and Ethnicity, 1989-1993

		All Years			1989			1991		
		Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted*
All Persons	6316	22.78	13.44		1188	21.61***	13.01***	1204	21.67***	12.84***
Race										
White	5495	21.72	12.32	1051	20.78	11.94	1069	21.13	12.1	1138
Black	807	37.16	31.4	135	31.08	27.31	134	30.85	26.33	167
Nonwhite/black	10	3.91	5.43	0	0	0	1	1.96	2.99	3
Gender										
Male	2582	19.21	14.13	495	18.41	13.71	496	18.45	13.43	496
Female	3734	26.15	12.83	693	24.27	12.08	813	28.47	14.13	813
Age										
Under 65	1499	6.19	NA	305	6.29	NA	298	6.14	NA	306
65 and over	4817	138.77	NA	883	127.24	NA	906	130.56	NA	1003
Ethnicity										
Hispanic	87	17.61	22.32	14	14.17	16.56	11	11.13	13.55	18
Nonhispanic	6214	22.82	13.32	1169	21.47	12.76	1188	21.82	12.88	1288

		1992			1993		
		Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
		Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**
All Persons	1248	3981	22.08***	71.81	12.88***	1367	4239
Race							
White	744	3551	26.05	70.20	12.74	1189	3806
Black	197	422	45.36	97.17	38.83	174	421
Nonwhite/black	3	7	5.87	13.69	7.19	3	7
Gender							
Male	504	1748	18.75	65.02	13.85	588	1876
Female	744	2233	26.05	78.19	12.74	779	2363
Age							
Under 65	303	783	6.25	16.14	NA	287	755
65 and over	945	3198	136.18	65.94	NA	1080	3484
Ethnicity							
Hispanic	26	47	26.32	47.58	34.06	18	37
Nonhispanic	1222	3934	22.44	72.24	13.08	1347	4202

* Age-adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

*** Rate was based on projected population estimates for that year.

Source: Indiana State Department of Health Vital Statistics.

Table 6

Adjustment Factor for Calculating the Number of Diabetic Deaths (Multiple Causes of Death) from the Underlying Cause of Death by Race, Gender, Age and Ethnicity

	Two-Year Average		Adjustment Factor	
	Underlying Cause of Death	Any* Cause of Death	Deaths	Rate
All Persons	1307.5	22.78	4110.0	74.13
Race				
White	1118.5	21.72	3678.5	72.72
Black	185.5	37.16	421.5	97.05
Nonwhite/black	3.0	3.91	7.0	13.69
Gender				
Male	546.0	19.21	1812.0	67.40
Female	761.5	26.15	2298.0	80.46
Age				
Under 65	295.0	6.19	769.0	15.85
65 and over	1012.5	138.77	3341.0	481.46
Ethnicity				
Hispanic	22.0	17.61	42.0	42.51
Nonhispanic	1284.5	22.82	4068.0	74.71

*Any included diabetes as the underlying or contributing cause of death.

Table 7
Diabetes Mortality Rates by County, 1989 - 1993

	Deaths Attributed to Diabetes			Rate per 100,000		
	Total Deaths	Deaths	Percent	Crude	Age-adjusted	Ranking
Indiana	250,608	6,316	2.52%	22.78	13.44	NA
Adams	1,212	19	1.57%	12.22	8.35	12
Allen	12,222	282	2.31%	18.75	12.31	48
Bartholomew	2,628	62	2.36%	19.48	11.76	44
Benton	504	16	3.17%	33.89	12.89	57
Blackford	795	17	2.14%	24.17	9.13	18
Boone	1,762	26	1.48%	13.63	7.31	9
Brown	515	4	0.78%	5.68	3.24	1
Carroll	835	12	1.44%	12.76	5.65	5
Cass	1,982	49	2.47%	25.51	11.35	36
Clark	4,365	89	2.04%	20.28	11.99	46
Clay	1,430	30	2.10%	24.29	12.46	49
Clinton	1,707	37	2.17%	23.89	10.10	24
Crawford	538	18	3.35%	36.31	19.51	89
Daviess	1,468	67	4.56%	48.67	19.38	87
Dearborn	1,671	26	1.56%	13.39	6.45	6
Decatur	1,111	51	4.59%	43.14	17.08	81
DeKalb	1,465	38	2.59%	21.52	13.16	58
Delaware	5,447	167	3.07%	27.91	15.56	75
Dubois	1,547	18	1.16%	9.83	5.05	3
Elkhart	6,051	121	2.00%	15.49	10.12	25
Fayette	1,272	34	2.67%	26.14	14.26	68
Floyd	2,997	69	2.30%	21.43	12.86	56
Fountain	978	20	2.04%	22.46	8.73	16
Franklin	706	21	2.97%	21.45	10.80	32
Fulton	977	31	3.17%	32.91	13.55	63
Gibson	1,725	67	3.88%	41.99	19.88	90
Grant	3,713	123	3.31%	33.17	17.54	84
Greene	1,738	53	3.05%	34.86	18.90	86
Hamilton	3,216	62	1.93%	11.38	8.60	15
Hancock	1,771	56	3.16%	24.60	15.76	76
Harrison	1,199	22	1.83%	14.72	9.64	22
Hendricks	2,649	59	2.23%	15.58	11.01	34
Henry	2,488	60	2.41%	24.93	12.46	50
Howard	3,541	89	2.51%	22.02	14.41	69
Huntington	1,761	34	1.93%	19.19	7.77	11
Jackson	1,857	57	3.07%	30.21	16.27	79
Jasper	1,073	26	2.42%	20.83	12.59	53
Jay	1,097	30	2.73%	27.89	16.70	80
Jefferson	1,576	26	1.65%	17.45	12.53	52
Jennings	1,028	16	1.56%	13.52	10.41	28
Johnson	3,638	78	2.14%	17.71	10.41	29
Knox	2,335	35	1.50%	17.55	10.60	31
Kosciusko	2,552	67	2.63%	20.52	12.80	55
LaGrange	979	22	2.25%	14.93	9.23	19
Lake	22,655	805	3.55%	33.85	20.87	92
Laporte	4,939	124	2.51%	23.16	13.35	60

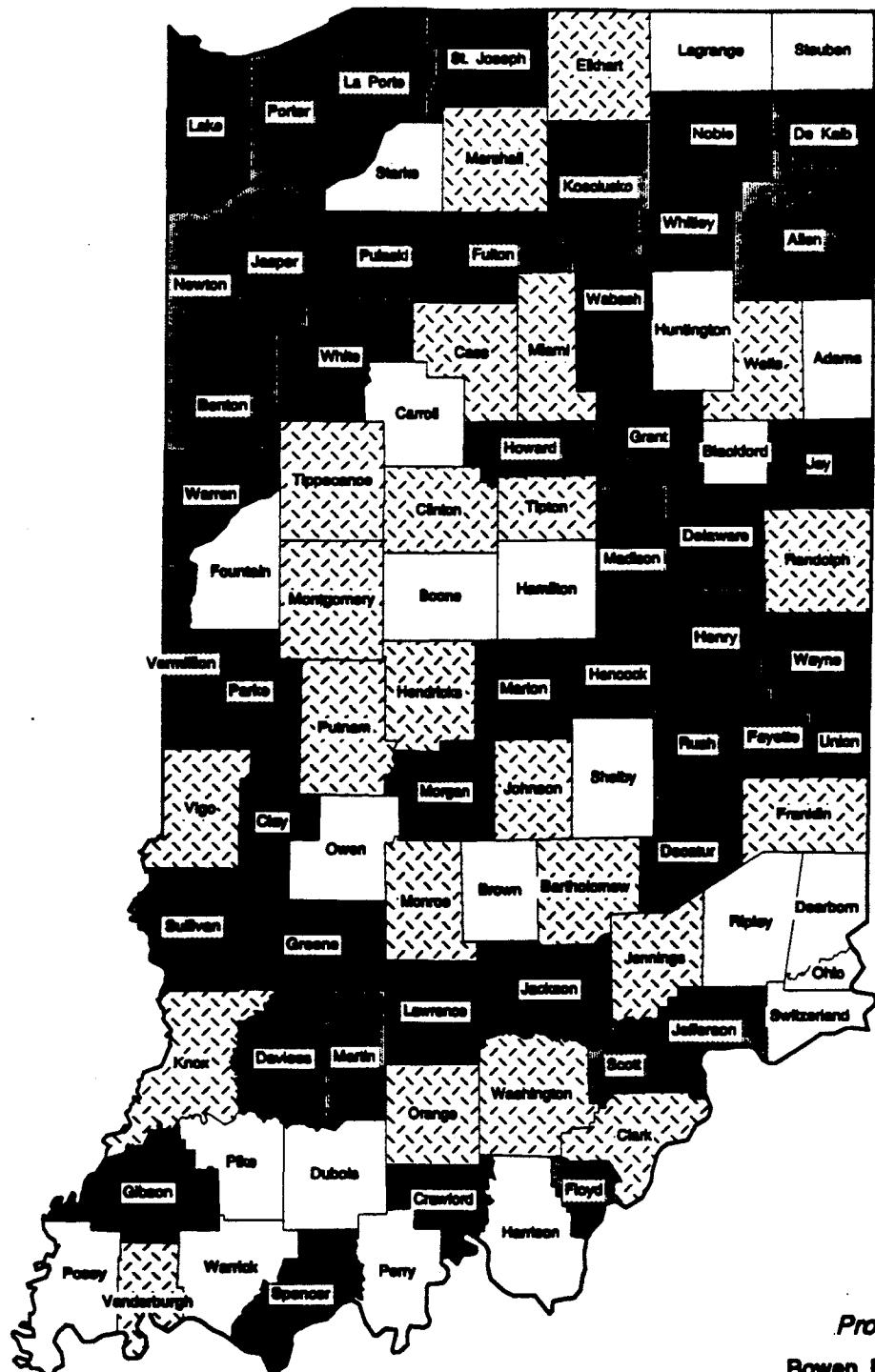
Table 7
Diabetes Mortality Rates by County, 1989 - 1993

	Deaths Attributed to Diabetes			Rate per 100,000		
	Total Deaths	Deaths	Percent	Crude	Age-adjusted	Ranking
Indiana	250,608	6,316	2.52%	22.78	13.44	NA
Lawrence	2,313	67	2.90%	31.28	15.16	72
Madison	6,494	169	2.60%	25.87	13.67	66
Marion	35,778	857	2.40%	21.50	14.59	71
Marshall	1,878	47	2.50%	22.28	10.98	33
Martin	486	12	2.47%	23.15	12.52	51
Miami	1,538	32	2.08%	17.35	11.69	42
Monroe	3,024	72	2.38%	13.21	10.22	26
Montgomery	1,770	37	2.09%	21.49	11.59	39
Morgan	2,215	54	2.44%	19.31	15.36	73
Newton	630	20	3.17%	29.52	13.43	61
Noble	1,641	55	3.35%	29.04	17.13	83
Ohio	231	4	1.73%	15.05	8.48	13
Orange	997	17	1.71%	18.47	11.40	37
Owen	760	7	0.92%	8.10	4.48	2
Parke	876	20	2.28%	25.96	12.75	54
Perry	972	17	1.75%	17.79	8.94	17
Pike	682	14	2.05%	22.38	8.49	14
Porter	4,520	115	2.54%	17.84	13.46	62
Posey	1,068	14	1.31%	10.78	6.53	7
Pulaski	715	14	1.96%	22.15	12.20	47
Putnam	1,314	29	2.21%	19.13	10.22	27
Randolph	1,440	34	2.36%	25.05	11.04	35
Ripley	1,223	29	2.37%	23.56	9.33	21
Rush	900	29	3.22%	31.99	13.70	67
St. Joseph	11,520	325	2.82%	26.31	14.42	70
Scott	1,044	20	1.92%	19.06	13.60	64
Shelby	1,799	33	1.83%	16.37	9.29	20
Spencer	985	34	3.45%	34.89	18.67	85
Starke	1,179	10	0.85%	8.79	5.47	4
Steuben	1,232	15	1.22%	10.93	6.93	8
Sullivan	1,276	32	2.51%	33.70	13.60	65
Switzerland	406	6	1.48%	15.51	7.71	10
Tippecanoe	4,734	98	2.07%	15.01	11.75	43
Tipton	784	18	2.30%	22.33	11.65	41
Union	290	13	4.48%	37.27	20.68	91
Vanderburgh	9,021	182	2.02%	22.05	10.50	30
Vermillion	1,114	28	2.51%	33.39	13.27	59
Vigo	5,668	128	2.26%	24.13	11.89	45
Wabash	1,797	68	3.78%	38.78	19.48	88
Warren	409	13	3.18%	31.80	15.92	77
Warrick	1,703	36	2.11%	16.03	9.75	23
Washington	1,125	21	1.87%	17.71	11.53	38
Wayne	3,754	127	3.38%	35.30	17.08	82
Wells	1,157	29	2.51%	22.35	11.64	40
White	1,204	37	3.07%	31.81	16.12	78
Whitley	1,227	43	3.50%	31.10	15.48	74

Indiana County Rankings of Diabetes

Age-adjusted Mortality Rates

Average of 1989-1993



Produced by:

Bowen Research Center

County Rank (1 = Lowest Rate)



1 to 23



23 to 46



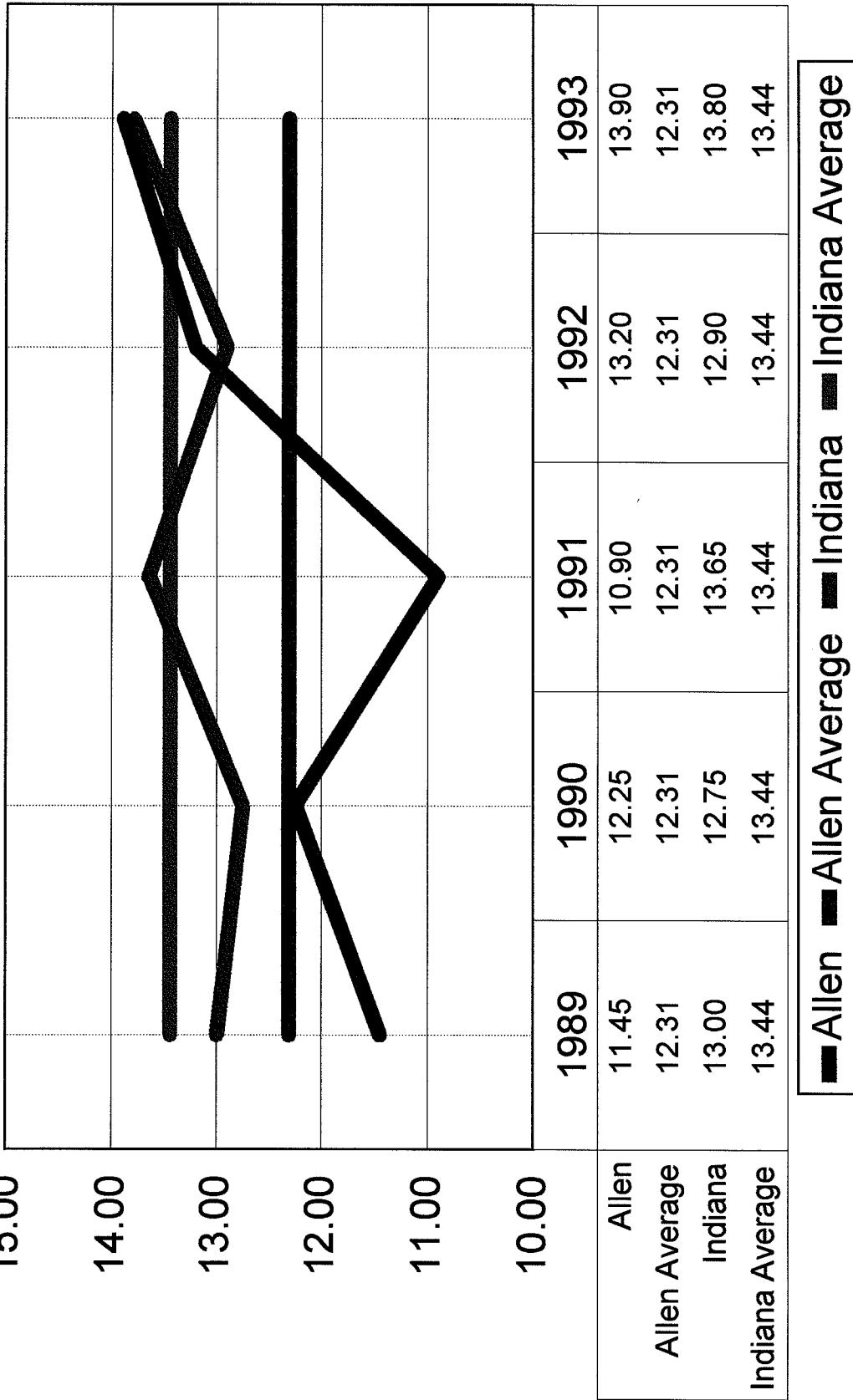
46 to 69



69 to 92

Allen County

Age-Adjusted Diabetes Mortality Rates per 100,000, 1989-1993



Source: Indiana State Department of Health Vital Statistics.

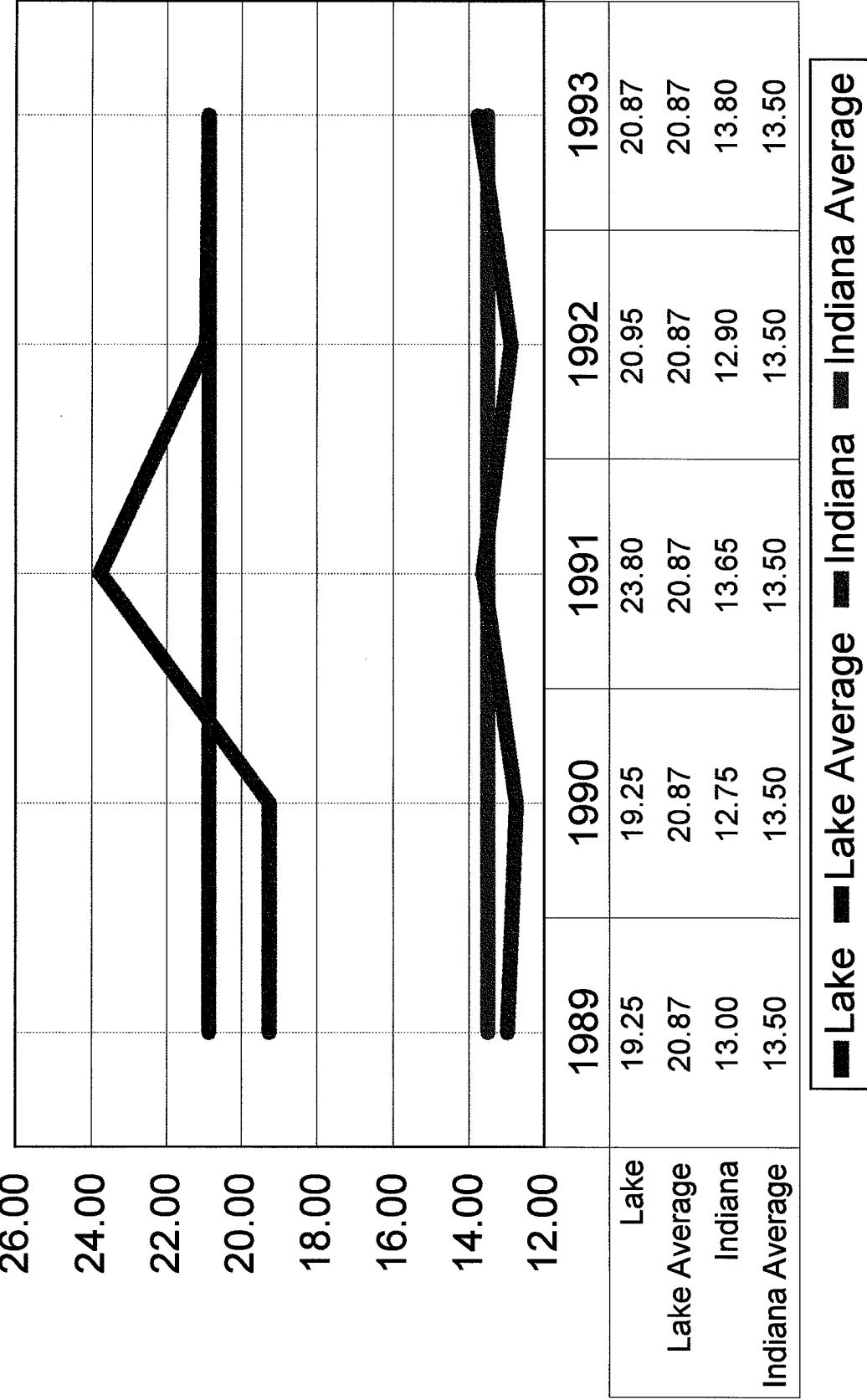
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Lake County

Age-Adjusted Diabetes Mortality Rates per 100,000, 1989-1993



Source: Indiana State Department of Health Vital Statistics.

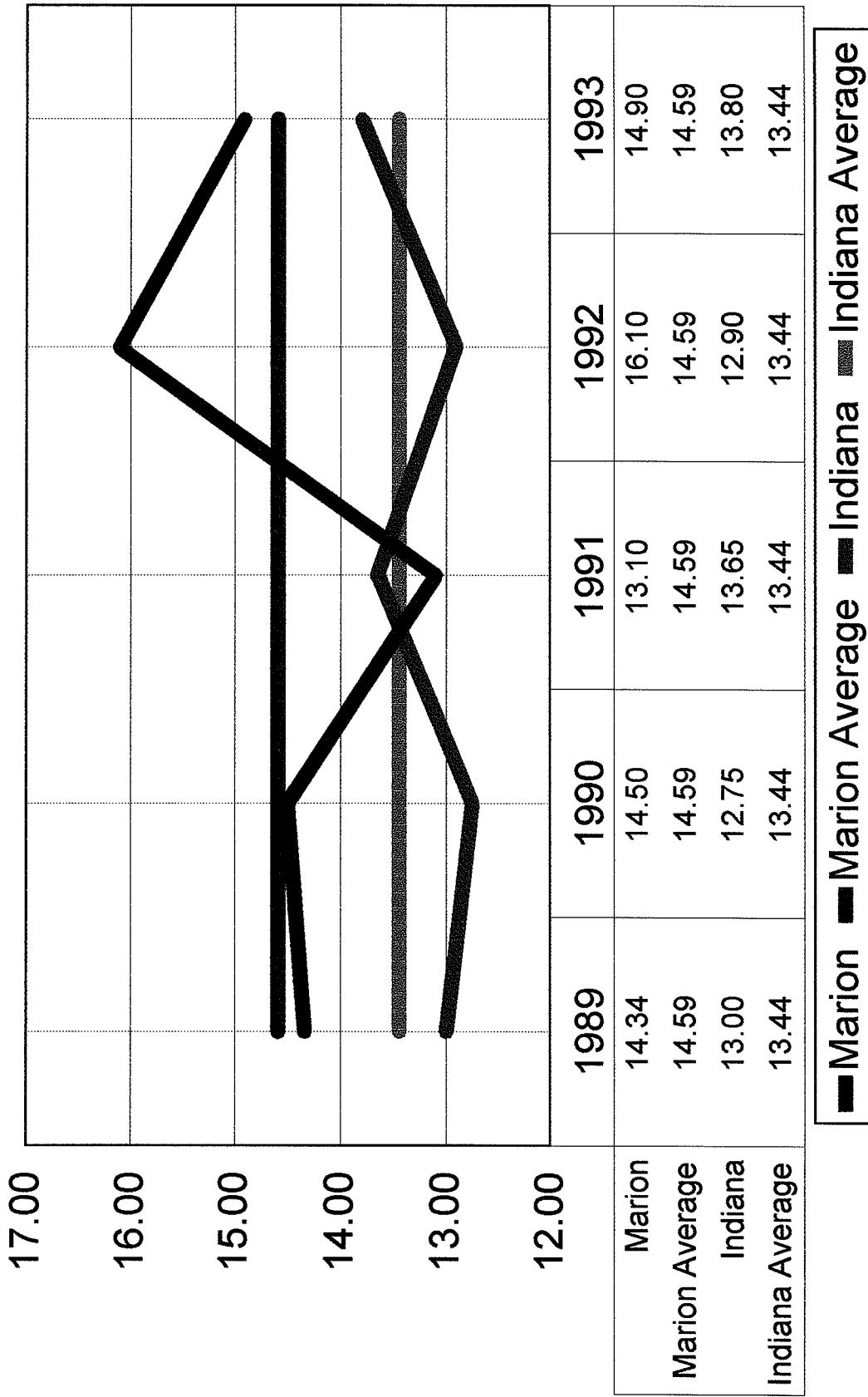
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Marion County

Age-Adjusted Diabetes Mortality Rates per 100,000, 1989-1993



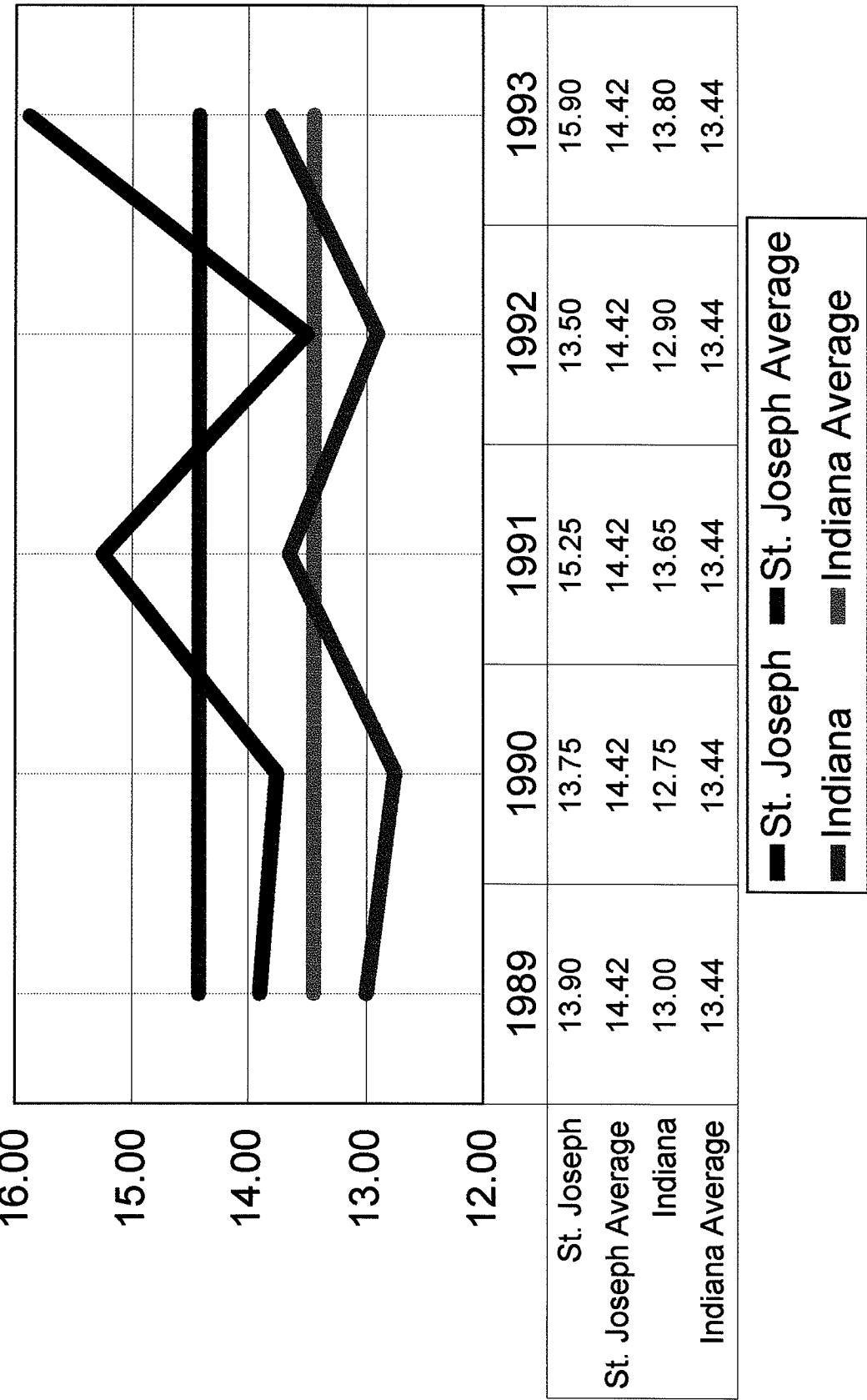
Source: Indiana State Department of Health Vital Statistics.

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St. Joseph County

Age-Adjusted Diabetes Mortality Rates per 100,000, 1989-1993



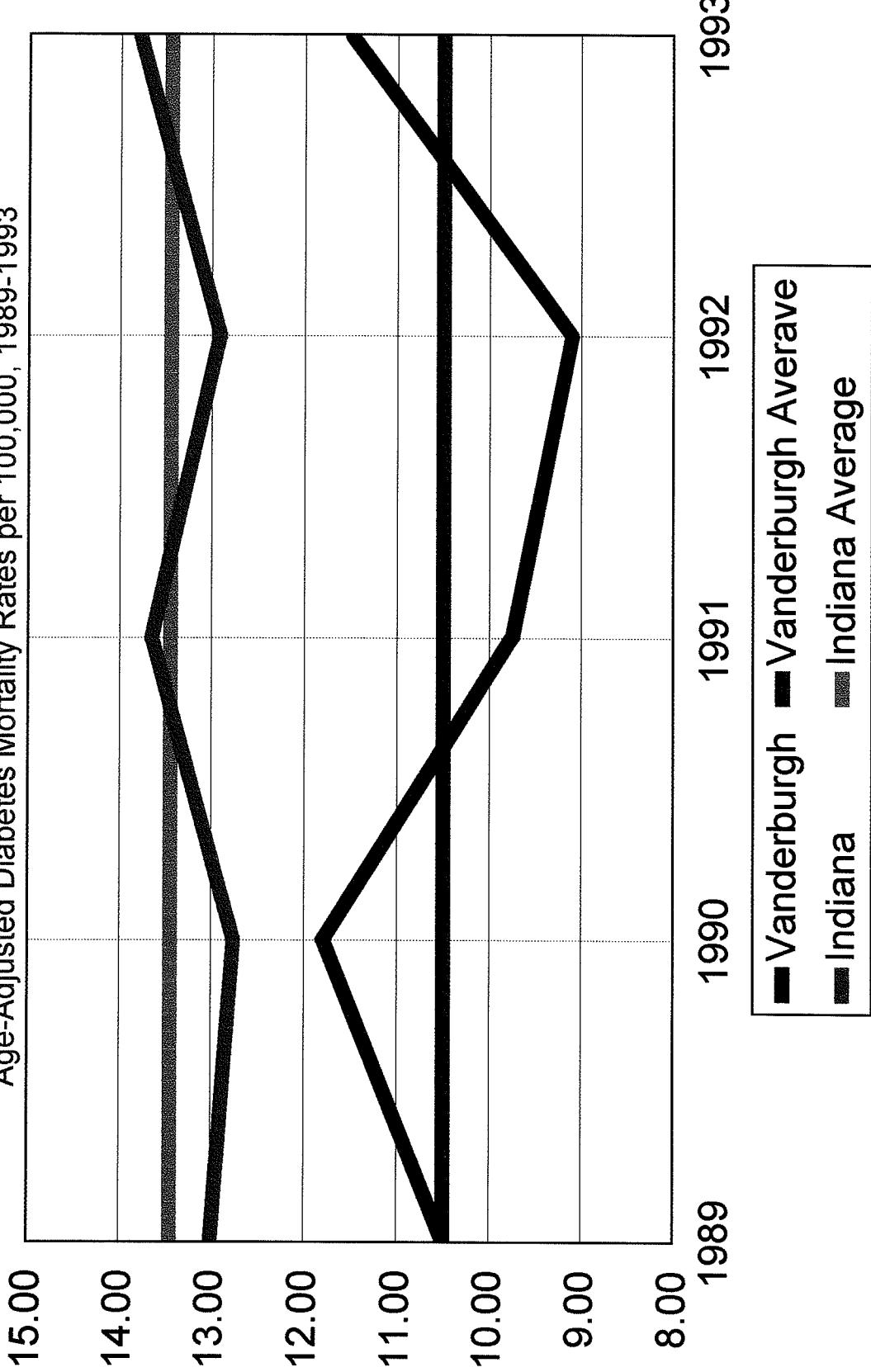
Source: Indiana State Department of Health Vital Statistics.

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Vanderburgh County

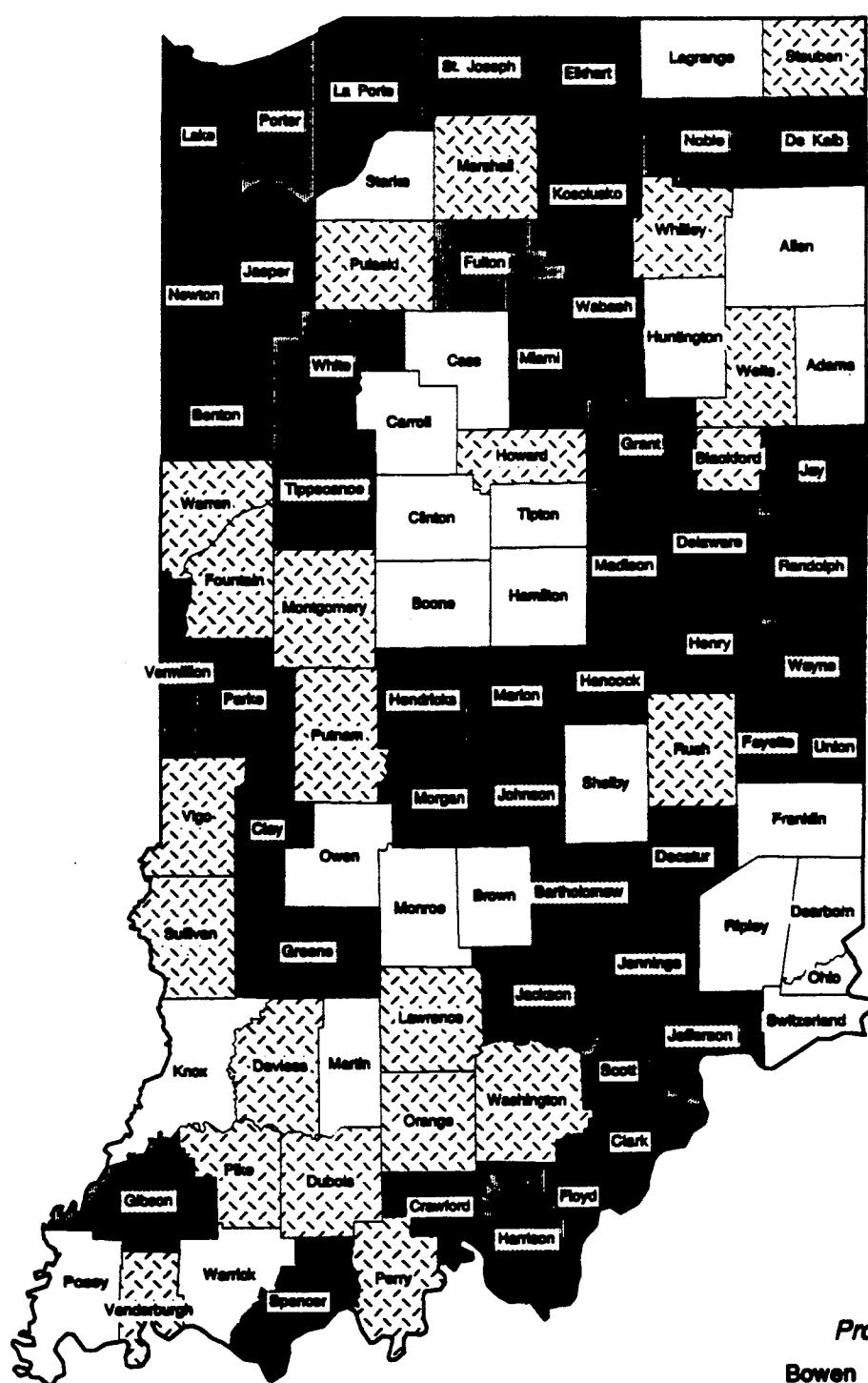
Age-Adjusted Diabetes Mortality Rates per 100,000, 1989-1993



Source: Indiana State Department of Health Vital Statistics.
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Indiana County Combined Rankings of Diabetes Mortality and Natality Rates 1989-1993



Produced by:

Bowen Research Center

County Rank (12 = Lowest Combined Rate)



12 to 64



64 to 97



97 to 119



119 to 174

Table 8
Annual Incidence Counts and Rates of Diabetic and Non-diabetic
End Stage Renal Disease
by Age groups, Sex, and Race

Indiana 1990 - 1992

Patient Characteristics	Diabetic			Non-diabetic		
	Count	%	Rate*	Count	%	Rate*
1990						
Total Patients	355	100%	64	571	100%	103
Gender						
Male	172	48%	64	327	57%	121
Female	183	52%	64	244	43%	85
Race						
White	250	70%	49	425	74%	84
Black	101	28%	232	137	24%	315
Other	4	1%	78	9	2%	175
Age at first dx						
0-17	1	0%	1	14	2%	10
18-44	71	20%	30	126	22%	54
46-64	149	42%	141	173	30%	163
65 +	134	38%	192	258	45%	370
1991						
Total Patients	436	100%	78	601	100%	107
Gender						
Male	223	51%	82	333	55%	123
Female	212	49%	73	268	45%	93
Race						
White	336	77%	66	457	76%	89
Black	95	22%	215	139	23%	314
Other	5	1%	95	5	1%	95
Age at first dx						
0-17	0	0%	0	15	2%	10
18-44	95	22%	40	133	22%	56
46-64	187	43%	175	164	27	154
65 +	154	35%	218	289	48%	409
1992						
Total Patients	470	100%	83	713	100%	126
Gender						
Male	220	47%	80	384	54%	140
Female	249	53%	86	329	46%	113
Race						
White	339	72%	66	540	76%	105
Black	127	27%	283	168	24%	374
Other	4	1%	73	5	1%	92
Age at first dx						
0-17	1	0%	1	10	1%	7
18-44	96	20%	40	119	17%	50
46-64	179	38%	162	219	31%	199
65 +	194	41%	3	365	51%	511

* rate per million population

Source: Tri-State Renal Network

Table 9
Annual Incidence Counts and Rates of Diabetic and Non-diabetic
End Stage Renal Disease
by Age groups, Sex, and Race

Indiana 1993 - 1995

Patient Characteristics	Diabetic			Non-diabetic		
	Count	%	Rate*	Count	%	Rate*
1993						
Total Patients	466	100%	82	749	100%	131
Gender						
Male	231	50%	83	418	55%	151
Female	235	50%	80	331	44%	113
Race						
White	340	73%	65	548	73%	106
Black	117	25%	256	185	24%	405
Other	9	2%	159	16	2%	282
Age at first dx						
0-17	0	0%	0	5	0%	3
18-44	77	17%	32	136	18%	57
46-64	205	44%	181	208	27%	184
65 +	184	39%	255	400	53%	554
1994						
Total Patients	555	100%	96	752	100%	131
Gender						
Male	227	41%	81	417	55%	149
Female	328	59%	111	335	45%	113
Race						
White	400	72%	76	539	72%	103
Black	139	25%	299	195	26%	420
Other	16	3%	272	18	2%	306
Age at first dx						
0-17	0	0%	0	14	2%	9
18-44	97	17%	41	137	18%	57
46-64	222	40%	192	209	28%	181
65 +	236	43%	324	392	52%	539
1995						
Total Patients	601	100%	104	723	100%	125
Gender						
Male	285	50%	101	389	54%	138
Female	316	50%	106	334	46%	111
Race						
White	440	73%	83	528	73%	100
Black	140	25%	299	175	24%	374
Other	21	2%	354	20	3%	337
Age at first dx						
0-17	1	0%	1	12	2%	8
18-44	72	17%	30	142	20%	59
46-64	252	44%	212	193	27%	163
65 +	275	39%	375	375	52%	512

* rate per million population

Source: Tri-State Renal Network

Table 10
Annual Prevalence Counts and Rates of Diabetic and Non-diabetic
End Stage Renal Disease
by Age groups, Sex, and Race

Indiana 1990 - 1992

Patient Characteristics	Diabetic			Non-diabetic		
	Count	%	Rate*	Count	%	Rate*
1990						
Total Patients	748	100%	135	1777	100%	320
Gender						
Male	326	44%	121	959	54%	356
Female	422	46%	147	818	46%	286
Race						
White	485	65%	96	1226	69%	242
Black	256	34%	588	531	30%	1220
Other	7	1%	136	20	2%	388
Age at first dx						
0-17	2	0%	1	26	1%	18
18-44	146	20%	62	435	24%	185
46-64	301	40%	284	615	35%	580
65 +	299	40%	429	701	39%	1006
1991						
Total Patients	914	100%	163	1863	100%	332
Gender						
Male	432	47%	159	997	54%	367
Female	481	53%	167	866	46%	300
Race						
White	607	66%	119	1276	68%	250
Black	296	32%	669	571	31%	1291
Other	11	1%	209	16	1%	304
Age at first dx						
0-17	1	0%	1	30	2%	21
18-44	171	22%	72	488	26%	206
46-64	381	42%	357	589	32%	551
65+	361	39%	511	756	41%	1071
1992						
Total Patients	1070	100%	189	2010	100%	356
Gender						
Male	486	45%	177	1035	51%	377
Female	582	54%	200	975	49%	335
Race						
White	713	67%	138	1388	69%	270
Black	346	32%	770	607	30%	1351
Other	11	1%	202	15	1%	275
Age at first dx						
0-17	1	0%	1	25	1%	17
18-44	198	19%	83	471	23%	198
46-64	429	40%	389	655	33%	594
65 +	442	41%	618	859	43%	1202

* rate per million population

Source: Tri-State Renal Network

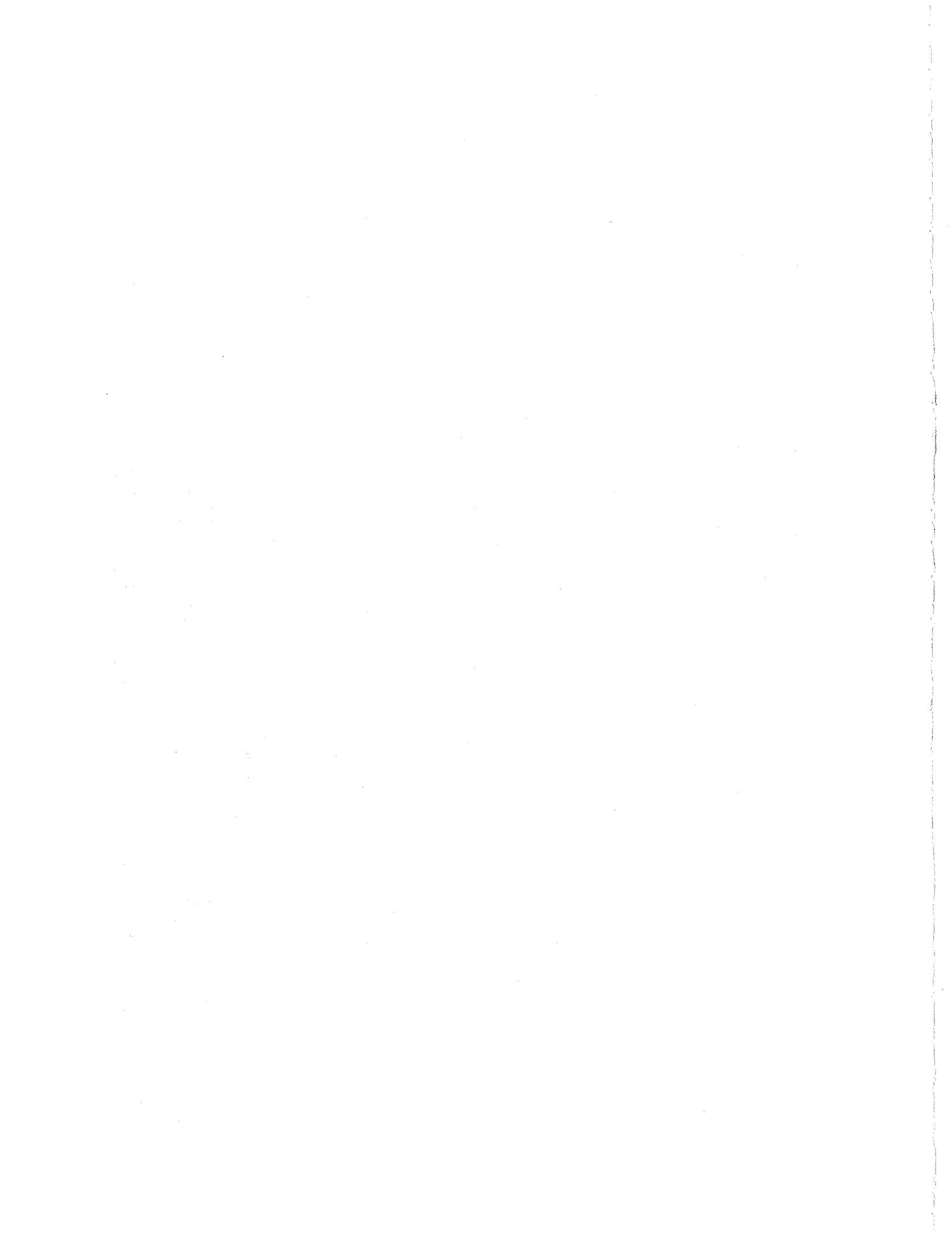
Table 11
Annual Prevalance Counts and Rates of Diabetic and Non-diabetic
End Stage Renal Disease
by Age groups, Sex, and Race

Indiana 1993 - 1995

Patient Characteristics	Diabetic			Non-diabetic		
	Count	%	Rate*	Count	%	Rate*
1993						
Total Patients	1146	100%	201	2216	100%	388
Gender						
Male	520	45%	188	1155	52%	417
Female	626	55%	213	1061	48%	361
Race						
White	747	65%	144	1505	68%	290
Black	386	34%	845	690	31%	1510
Other	13	1%	229	21	1%	370
Age at first dx						
0-17	1	0%	1	20	1%	14
18-44	190	17%	80	517	23%	216
46-64	485	42%	429	711	32%	629
65+	470	41%	651	968	44%	1341
1994						
Total Patients	1294	100%	225	2371	100%	412
Gender						
Male	572	44%	205	1255	53%	449
Female	722	56%	244	1116	47%	377
Race						
White	840	65%	161	1578	67%	302
Black	429	33%	924	758	32%	1632
Other	25	2%	425	35	1%	595
Age at first dx						
0-17	1	0%	1	25	1%	17
18-44	229	18%	96	564	24%	236
46-64	535	41%	462	749	32%	647
65+	529	41%	727	1033	44%	1420
1995						
Total Patients	1457	100%	251	2358	100%	406
Gender						
Male	662	45%	235	1258	53%	446
Female	794	54%	266	1098	47%	368
Race						
White	956	66%	181	1559	66%	296
Black	463	32%	989	758	32%	1619
Other	38	3%	640	41	2%	691
Age at first dx						
0-17	2	0%	1	27	1%	18
18-44	205	14%	85	551	23%	230
46-64	601	41%	507	738	31%	622
65 +	648	44%	884	1040	44%	1419

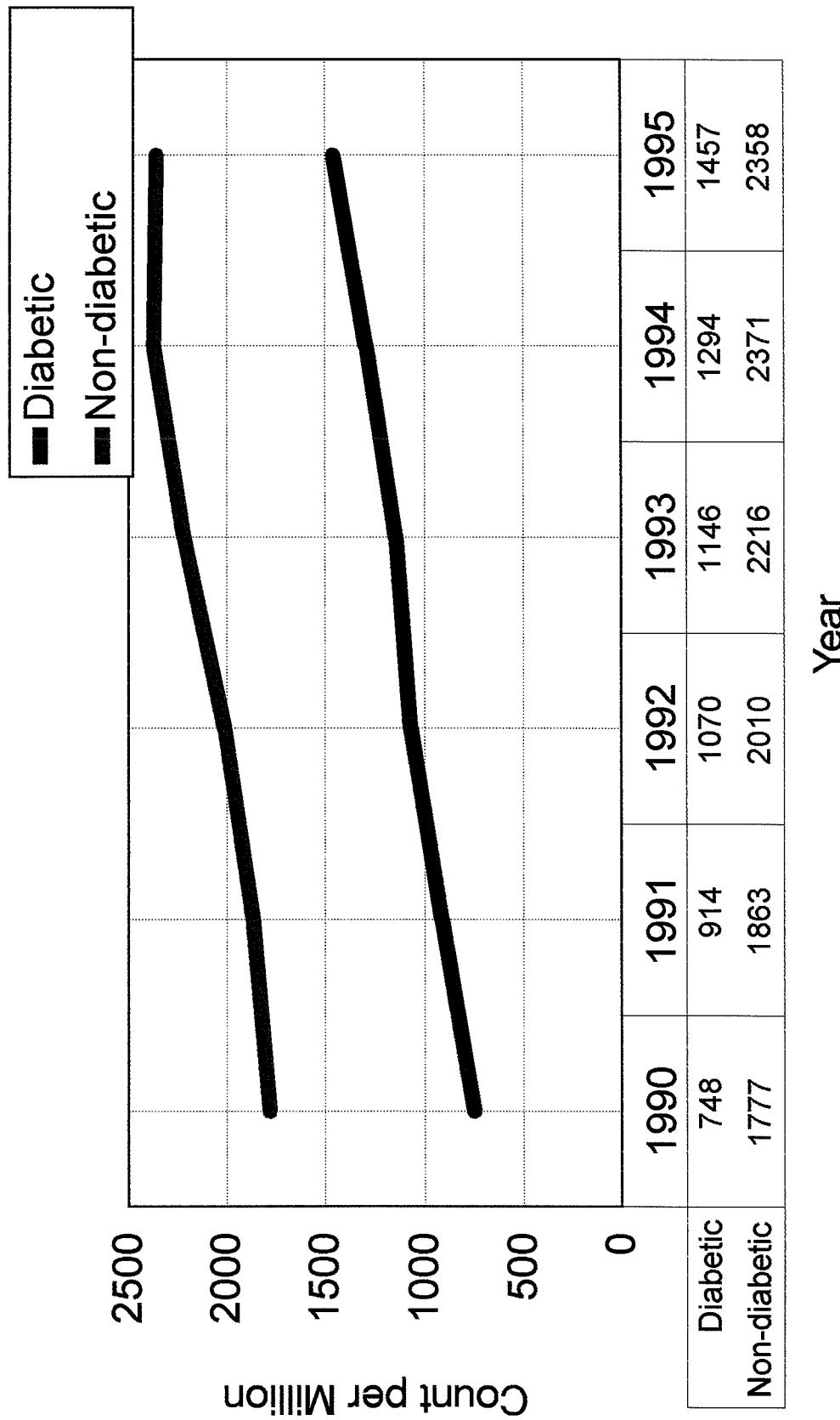
* rate per million population

Source: Tri-State Renal Network



ESRD Prevalence Counts by Diabetic States

Indiana 1990-1995

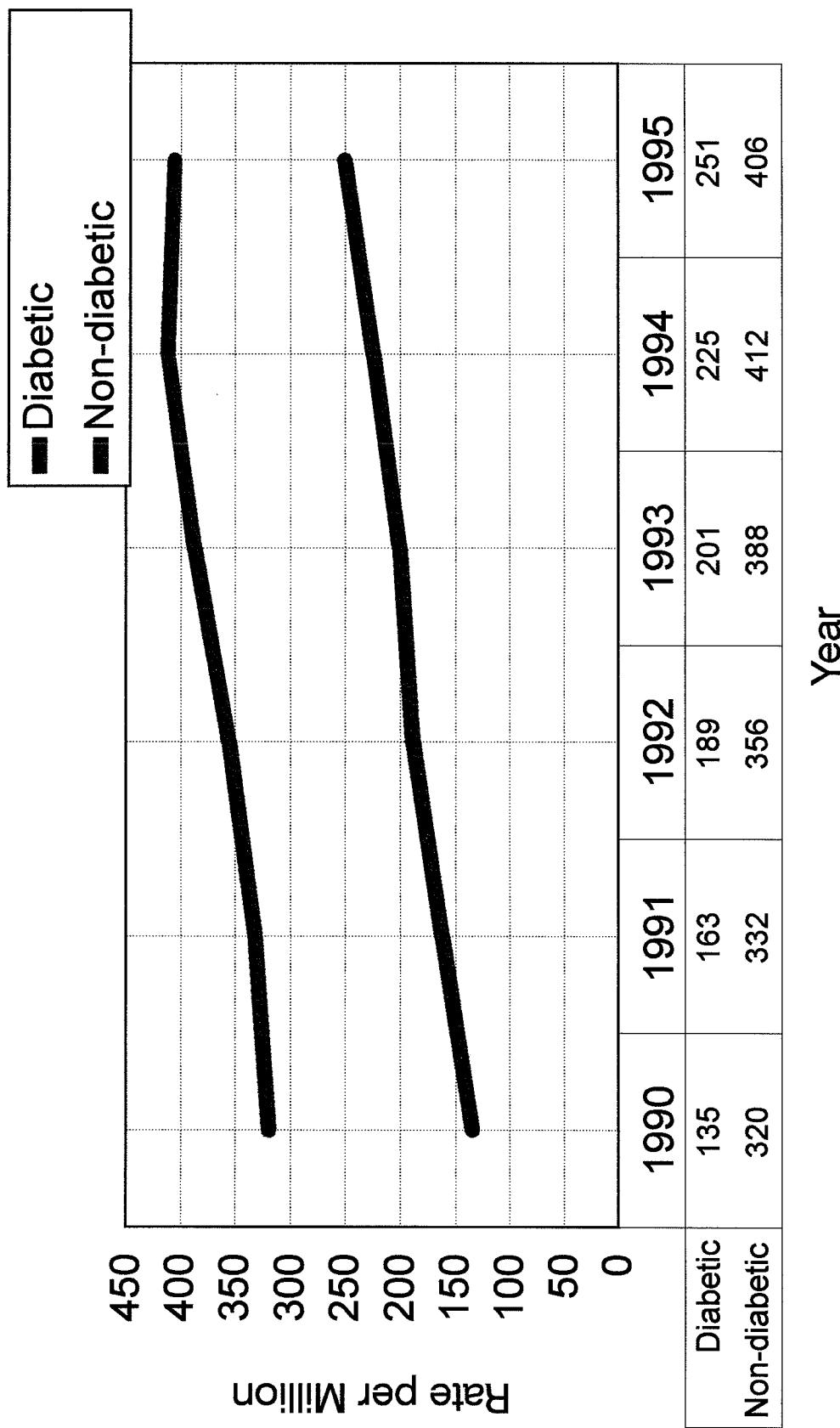


Source: Tri-State Renal Network.
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ESRD Prevalence Counts by Diabetic States

Indiana 1990-1995

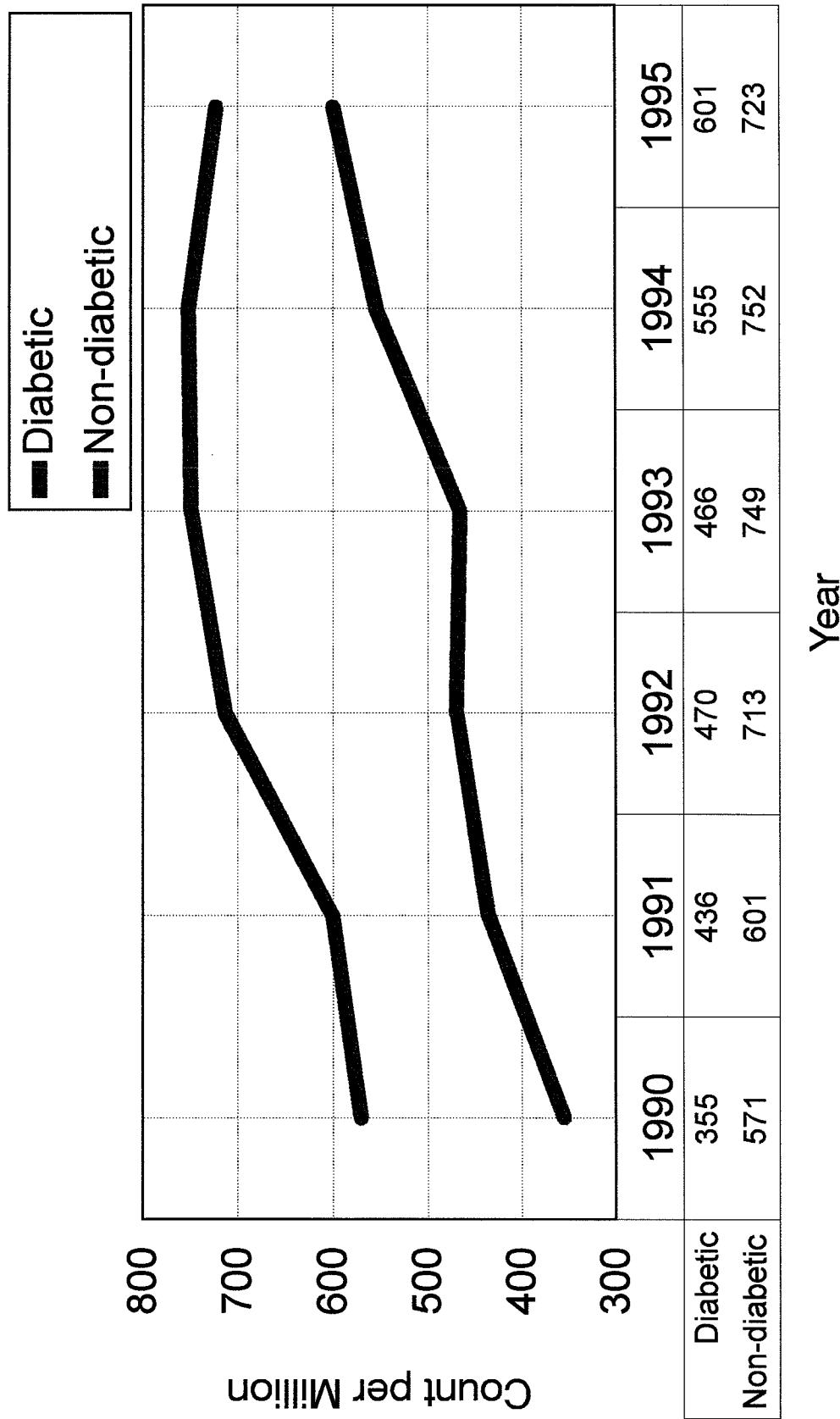


Source: Tri-State Renal Network.
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ESRD Incidence Counts by Diabetic States

Indiana 1990-1995

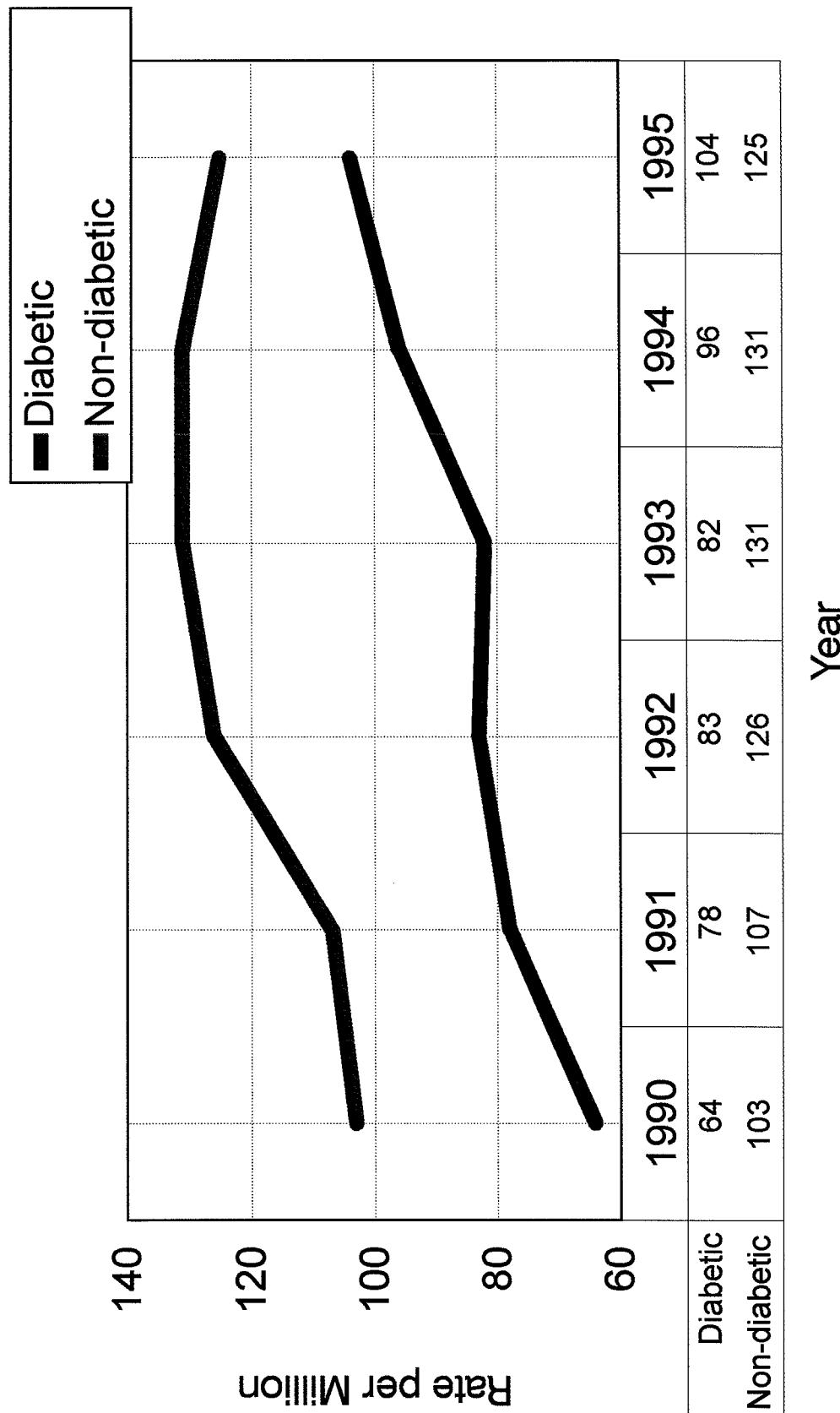


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Source: Tri-State Renal Network.
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ESRD Incidence Rates by Diabetic States

Indiana 1990-1995



Source: Tri-State Renal Network.
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ACKNOWLEDGMENTS

The authors wish to recognize individuals who contributed their time and talent toward the preparation of this report. Contributions from the Indiana State Department of Health include: Gerry Seifert, MEd, Sue Percifield, Jeanne Moorman, MS, and Susan Dorrell, BS.

Contributions from the Bowen Research Center include: Jennifer Young and Donna Koch.

APPENDIX A

Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Adams County

All Years				1989				1990				1991			
	Deaths	Crude Rate	Age-Adjusted*												
All Persons	19	12.22	8.35	6	19.30	12.75	4	12.86	4.19	3	9.65	6.46			
Race															
White	18	11.79	8.12	6	19.65	12.77	4	13.10	4.20	3	9.82	6.47			
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00			
Nonwhite/black	1	178.57	346.06	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00			
Gender															
Male	13	17.05	13.58	3	19.67	12.69	3	19.67	9.42	2	13.11	10.05			
Female	6	7.57	4.08	3	18.93	13.91	1	6.31	0.78	1	6.31	3.77			
Age															
Under 65	12	8.91	NA	3	11.14	NA	4	14.86	NA	3	11.14	NA			
65 and over	7	33.57	NA	3	71.94	NA	0	0.00	NA	0	0.00	NA			
Ethnicity															
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00			
Nonhispanic	19	12.55	8.47	6	19.81	12.95	4	13.21	4.22	3	9.91	6.54			

1992				1993											
	Deaths	Crude Rate	Age-Adjusted*		Deaths	Crude Rate	Age-Adjusted*								
	Underlying	Any Cause**	Underlying		Underlying	Any Cause**	Underlying								
All Persons	6	19	19.30	61.10	18.34	0	14	0.00	45.02	0.00					
Race															
White	5	18	16.37	58.94	17.18	0	13	0.00	42.57	0.00					
Black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00					
Nonwhite/black	1	1	892.86	892.86	1730.30	0	1	0.00	892.86	0.00					
Gender															
Male	5	10	32.79	65.57	35.72	0	4	0.00	26.23	0.00					
Female	1	9	6.31	56.80	1.96	0	10	0.00	63.11	0.00					
Age															
Under 65	2	6	7.43	22.28	NA	0	1	0.00	3.71	NA					
65 and over	4	13	95.92	311.75	NA	0	13	0.00	311.75	NA					
Ethnicity															
Hispanic	0	0	0.00	0.00	0.00	0	1	0.00	123.46	0.00					
Nonhispanic	6	19	19.81	62.74	18.63	0	13	0.00	42.93	0.00					

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics

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Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Allen County

All Years				1989				1991				
	Deaths	Crude Rate	Age-Adjusted*									
All Persons	282	18.75	12.31	54	17.95	11.41	57	18.95	12.30	50	16.62	10.79
Race												
White	234	17.72	10.76	49	18.55	10.92	49	18.55	10.81	42	15.90	9.35
Black	47	30.75	37.52	5	16.36	20.00	8	26.17	31.70	7	22.90	27.18
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Gender												
Male	110	15.07	12.32	19	13.02	9.92	23	15.76	13.22	22	15.07	11.48
Female	172	22.21	12.37	35	22.60	12.98	34	21.95	11.39	28	18.08	10.76
Age												
Under 65	157	11.78	NA	15	5.63	NA	40	15.01	NA	35	13.13	NA
65 and over	125	72.97	NA	39	113.84	NA	17	49.62	NA	15	43.78	NA
Ethnicity												
Hispanic	3	10.31	17.14	0	0.00	0.00	0	0.00	0.00	2	34.36	54.68
Nonhispanic	278	18.85	12.21	54	18.30	11.52	57	19.32	12.43	47	15.93	10.06

1992				1993								
	Deaths	Crude Rate	Age-Adjusted*		Deaths	Crude Rate	Age-Adjusted*					
	Underlying	Any Cause**	Underlying		Underlying	Any Cause**	Underlying					
All Persons	61	196	20.28	65.15	13.18	60	182	19.94	60.50	13.85		
Race												
White	44	167	16.66	63.24	9.90	50	159	18.93	60.21	12.83		
Black	17	29	55.61	94.87	70.24	10	22	32.71	71.97	38.46		
Nonwhite/black	0	0	0.00	0.00	0.00	0	1	0.00	27.49	0.00		
Gender												
Male	20	74	13.70	50.70	11.97	26	81	17.81	55.50	15.02		
Female	41	122	26.47	78.77	13.61	34	101	21.95	65.21	13.11		
Age												
Under 65	46	32	17.26	12.00	NA	21	40	7.88	15.01	NA		
65 and over	15	164	43.78	478.69	NA	39	142	113.84	414.48	NA		
Ethnicity												
Hispanic	1	5	17.18	85.90	31.04	0	1	0.00	17.18	0.00		
Nonhispanic	60	191	20.34	64.74	13.05	60	181	20.34	61.35	13.99		

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics

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Bowen Research Center, Indiana University

Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Bartholomew County

		All Years			1989			1990			1991		
	Deaths	Crude Rate	Age-Adjusted*										
All Persons	62	19.48	11.76	13	20.42	13.84	17	26.71	13.04	10	15.71	10.10	
Race													
White	61	19.77	11.79	13	21.06	14.09	17	27.54	13.21	10	16.20	10.25	
Black	1	19.70	15.73	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Gender													
Male	30	19.39	14.27	8	25.85	19.41	8	25.85	16.96	4	12.92	9.99	
Female	32	19.57	9.72	5	15.29	9.58	9	27.52	10.52	6	18.34	9.97	
Age													
Under 65	38	13.51	NA	4	7.11	NA	14	24.88	NA	7	12.44	NA	
65 and over	24	64.94	NA	9	121.77	NA	3	40.59	NA	3	40.59	NA	
Ethnicity													
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Nonhispanic	62	19.61	11.81	13	20.56	13.90	17	26.89	13.09	10	15.82	10.14	

		All Years			1992			1993					
	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Underlying	Any Cause**	Crude Rate	Age-Adjusted*
All Persons	9	40	14.14	62.84	7.43	13	47	20.42	73.83				
Race													
White	8	39	12.96	63.18	6.78	13	47	21.06	76.15				
Black	1	1	98.52	98.52	78.65	0	0	0.00	0.00				
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00				
Gender													
Male	5	13	16.16	42.00	11.43	5	19	16.16	61.39				
Female	4	27	12.23	82.55	4.25	8	28	24.46	85.61				
Age													
Under 65	8	7	14.22	12.44	NA	5	11	8.89	19.55				
65 and over	1	33	13.53	446.49	NA	8	36	108.24	487.08				
Ethnicity													
Hispanic	0	0	0.00	0.00	0.00	0	0	0.00	0.00				
Nonhispanic	9	40	14.24	63.27	7.46	13	47	20.56	74.34				

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics

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Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Benton County

Appendix A

		All Years			1989			1990			1991		
		Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
All Persons	16	33.89	12.89	1	10.59	5.47	2	21.18	8.83	8	84.74	31.32	
Race													
White	16	34.10	12.92	1	10.66	5.47	2	21.31	8.84	8	85.25	31.40	
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Gender													
Male	7	30.29	12.86	1	21.64	12.32	1	21.64	12.32	3	64.91	22.77	
Female	9	37.35	13.38	0	0.00	0.00	1	20.75	5.58	5	103.76	40.50	
Age													
Under 65	11	27.96	NA	0	0.00	NA	2	25.42	NA	7	88.96	NA	
65 and over	5	63.61	NA	1	63.61	NA	0	0.00	NA	1	63.61	NA	
Ethnicity													
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Nonhispanic	16	34.29	12.94	1	10.71	5.49	2	21.43	8.87	8	85.72	31.44	

		1992			1993			Crude Rate			Crude Rate		
		Deaths	Crude Rate	Age-Adjusted*	Underlying	Any Cause**	Age-Adjusted*	Deaths	Underlying	Any Cause**	Crude Rate	Age-Adjusted*	
All Persons	3	7	31.78	74.14	13.91	2	4	21.18	42.37	4.92			
Race													
White	3	7	31.97	74.60	13.94	2	4	21.31	42.63	4.94			
Black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00			
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00			
Gender													
Male	1	4	21.64	86.54	8.44	1	2	21.64	43.27	8.44			
Female	2	3	41.50	62.25	18.70	1	2	20.75	41.50	2.11			
Age													
Under 65	2	1	25.42	12.71	NA	0	0	0.00	0.00	NA			
65 and over	1	6	63.61	381.68	NA	2	4	127.23	254.45	NA			
Ethnicity													
Hispanic	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00			
Nonhispanic	3	7	32.14	75.00	13.97	2	4	21.43	42.86	4.94			

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics

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Bowen Research Center, Indiana University

Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Blackford County

		All Years				1989				1990				1991			
		Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	
All Persons	17	24.17	9.13	1	7.11	1.27	5	35.54	15.89	3	21.33	8.94					
Race																	
White	17	24.34	9.15	1	7.16	1.28	5	35.80	15.94	3	21.48	8.96					
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00					
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00					
Gender																	
Male	5	14.65	8.22	1	14.65	4.86	3	43.94	28.67	0	0.00	0.00					
Female	12	33.15	9.69	0	0.00	0.00	2	27.62	5.40	3	41.44	14.56					
Age																	
Under 65	10	16.77	NA	0	0.00	NA	4	33.55	NA	3	25.16	NA					
65 and over	7	65.33	NA	1	46.66	NA	1	46.66	NA	0	0.00	NA					
Ethnicity																	
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00					
Nonhispanic	17	24.33	9.13	1	7.15	1.27	5	35.77	15.92	3	21.46	8.94					

		All Years				1992				1993							
		Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	
All Persons	3	19	21.33	135.07	9.25	5	18	35.54	127.96	10.28							
Race																	
White	3	19	21.48	136.04	9.26	5	18	35.80	128.88	10.30							
Black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00							
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00							
Gender																	
Male	0	7	0.00	102.53	0.00	1	8	14.65	117.18	7.56							
Female	3	12	41.44	165.75	16.11	4	10	55.25	138.12	12.36							
Age																	
Under 65	3	5	25.16	41.93	NA	0	3	0.00	25.16	NA							
65 and over	0	14	0.00	653.29	NA	5	15	233.32	69.95	NA							
Ethnicity																	
Hispanic	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00							
Nonhispanic	3	19	21.46	135.94	9.26	5	18	35.77	128.78	10.28							

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics

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Bowen Research Center, Indiana University

Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Boone County

All Years				1990				1991				1992				1993			
	Deaths	Crude Rate	Age-Adjusted*		Deaths	Crude Rate	Age-Adjusted*		Deaths	Crude Rate	Age-Adjusted*		Deaths	Crude Rate	Age-Adjusted*		Deaths	Crude Rate	Age-Adjusted*
All Persons	26	13.63	7.31		7	18.35	9.18		9	23.59	14.79		3	7.86	4.07				
Race																			
White	26	13.72	7.34		7	18.46	9.22		9	23.74	14.86		3	7.91	4.08				
Black	0	0.00	0.00		0	0.00	0.00		0	0.00	0.00		0	0.00	0.00				
Nonwhite/black	0	0.00	0.00		0	0.00	0.00		0	0.00	0.00		0	0.00	0.00				
Gender																			
Male	9	9.78	6.90		2	10.86	6.57		3	16.30	13.76		1	5.43	3.28				
Female	17	17.22	7.70		5	25.33	12.13		6	30.40	14.29		2	10.13	4.94				
Age																			
Under 65	15	9.02	NA		1	3.01	NA		7	21.05	NA		3	9.02	NA				
65 and over	11	45.02	NA		6	122.77	NA		2	40.92	NA		0	0.00	NA				
Ethnicity																			
Hispanic	0	0.00	0.00		0	0.00	0.00		0	0.00	0.00		0	0.00	0.00				
Nonhispanic	26	13.72	7.34		7	18.47	9.22		9	23.75	14.86		3	7.92	4.08				

All Years				1990				1991				1992				1993			
	Deaths	Crude Rate	Age-Adjusted*		Deaths	Crude Rate	Age-Adjusted*		Deaths	Crude Rate	Age-Adjusted*		Deaths	Crude Rate	Age-Adjusted*		Deaths	Crude Rate	Age-Adjusted*
All Persons	4	21	10.49		55.05	5.94			3	19	7.86		49.81						
Race																			
White	4	21	10.55		55.39	5.96			3	19	7.91		50.11						
Black	0	0	0.00		0.00	0.00			0	0	0.00		0.00						
Nonwhite/black	0	0	0.00		0.00	0.00			0	0	0.00		0.00						
Gender																			
Male	1	7	5.43		38.03	4.33			2	8	10.86		43.46						
Female	3	14	15.20		70.93	6.59			1	11	5.07		55.73						
Age																			
Under 65	4	1	12.03		3.01	NA			0	2	0.00		6.01						
65 and over	0	20	0.00		409.25	NA			3	17	61.39		347.86						
Ethnicity																			
Hispanic	0	1	0.00		400.00	0.00			0	0	0.00		0.00						
Nonhispanic	4	20	10.55		52.77	5.97			3	19	7.92		50.14						

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Brown County

		All Years				1991				1993			
		Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
All Persons		4	5.68	3.24	3	21.31	12.99	0	0.00	0.00	0	0.00	0.00
Race													
White		4	5.70	3.26	3	21.38	13.04	0	0.00	0.00	0	0.00	0.00
Black		0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonwhite/black		0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Gender													
Male		1	2.84	1.83	1	14.20	9.17	0	0.00	0.00	0	0.00	0.00
Female		3	8.53	4.41	2	28.42	16.69	0	0.00	0.00	0	0.00	0.00
Age													
Under 65		2	3.25	NA	1	8.13	NA	0	0.00	NA	0	0.00	NA
65 and over		2	22.38	NA	2	111.92	NA	0	0.00	NA	0	0.00	NA
Ethnicity													
Hispanic		0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonhispanic		4	5.72	3.26	3	21.45	13.05	0	0.00	0.00	0	0.00	0.00

		All Years				1991				1993			
		Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
All Persons		1	12	7.10	85.23	3.23	0	3	0.00	21.31	0	21.31	0.00
Race													
White		1	12	7.13	85.51	3.26	0	3	0.00	21.38	0	21.38	0.00
Black		0	0	0.00	0.00	0.00	0	0	0.00	0.00	0	0.00	0.00
Nonwhite/black		0	0	0.00	0.00	0.00	0	0	0.00	0.00	0	0.00	0.00
Gender													
Male		0	6	0.00	85.20	0.00	0	2	0.00	28.40	0	28.40	0.00
Female		1	6	14.21	85.25	5.37	0	1	0.00	—	14.21	0	0.00
Age													
Under 65		1	2	8.13	16.27	NA	0	1	0.00	8.13	NA	8.13	NA
65 and over		0	10	0.00	559.60	NA	0	2	0.00	111.92	NA	111.92	NA
Ethnicity													
Hispanic		0	0	0.00	0.00	0.00	0	0	0.00	0.00	0	0.00	0.00
Nonhispanic		1	12	7.15	85.80	3.23	0	3	0.00	21.45	0	21.45	0.00

* Age adjusted rates were based on diabetes as the underlying cause of death.

**Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Carroll County

		All Years				1990				1991			
		Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
All Persons	12	12.76	5.65	1	5.32	2.01	2	10.63	5.44	6	31.90	12.84	
Race													
White	12	12.80	5.66	1	5.33	2.01	2	10.67	5.46	6	32.01	12.85	
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Gender													
Male	3	6.51	3.66	0	0.00	0.00	0	0.00	0.00	1	0.85	6.61	
Female	9	18.76	7.06	1	10.42	3.34	2	20.84	9.88	5	52.11	16.68	
Age													
Under 65	8	9.99	NA	0	0.00	NA	1	6.24	NA	6	37.45	NA	
65 and over	4	28.72	NA	1	35.89	NA	1	35.89	NA	0	0.00	NA	
Ethnicity													
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Nonhispanic	12	12.84	5.66	1	5.35	2.02	2	10.70	5.46	6	32.11	12.87	

		All Years				1990				1991			
		Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
All Persons	1	13	5.32	69.12	2.97	2	14	10.63	74.43	4.98			
Race													
White	1	13	5.33	69.35	2.97	2	14	10.67	74.68	4.99			
Black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00			
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00			
Gender													
Male	0	4	0.00	43.42	0.00	2	6	21.71	65.13	11.67			
Female	1	9	10.42	93.79	5.40	0	8	0.00	83.37	0.00			
Age													
Under 65	1	2	6.24	12.48	NA	0	1	0.00	6.24	NA			
65 and over	0	11	0.00	394.83	NA	2	13	71.79	466.62	NA			
Ethnicity													
Hispanic	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00			
Nonhispanic	1	13	5.35	69.56	2.98	2	14	10.70	74.91	4.99			

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics

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Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity, and County, 1989-1993

Appendix A

Cass County

		All Years				1989				1990				1991			
		Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted*	
All Persons	Race	49	25.51	11.35	8	20.83	9.27	5	13.02	5.61	13	33.84	12.70				
White	White	49	25.97	11.46	8	21.20	9.35	5	13.25	5.68	13	34.45	12.81				
Black	Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00				
Nonwhite/black	Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00				
Gender	Male	23	24.94	15.20	3	16.26	8.77	1	5.42	5.56	6	32.53	19.36				
Female	Female	26	26.04	8.53	5	25.04	10.40	4	20.03	4.14	7	35.06	6.85				
Age	Under 65	24	14.74	NA	1	3.07	NA	4	12.29	NA	12	36.86	NA				
65 and over	65 and over	25	85.43	NA	7	119.60	NA	1	17.09	NA	1	17.09	NA				
Ethnicity	Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00				
Nonhispanic	Nonhispanic	49	25.67	11.39	8	20.95	9.30	5	13.09	5.64	13	34.05	12.74				

		1992				1993										
		Deaths	Crude Rate	Age-Adjusted*	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Age-Adjusted*							
		Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**							
All Persons	Race	12	29	31.24	75.50	18.79	11	37	28.64	96.32	10.38					
White	White	12	29	31.80	76.84	19.03	11	37	29.15	98.04	10.44					
Black	Black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00					
Nonwhite/black	Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00					
Gender	Male	8	14	43.37	75.90	29.36	5	20	27.11	108.42	12.96					
Female	Female	4	15	20.03	75.12	11.17	6	17	30.05	85.14	10.09					
Age	Under 65	7	5	21.50	15.36	NA	0	5	0.00	15.36	NA					
65 and over	65 and over	5	24	85.43	410.05	NA	11	32	187.94	546.73	NA					
Ethnicity	Hispanic	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00					
Nonhispanic	Nonhispanic	12	29	31.43	75.95	18.87	11	37	28.81	96.90	10.40					

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity, and County, 1989-1993

Appendix A

Clark County

		All Years				1991				1993			
		Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted*
All Persons	89	20.28	11.99		19	21.65	12.61	14	15.95	9.29	17	19.37	10.85
Race													
White	81	19.69	11.47		17	20.66	12.13	13	15.80	8.95	16	19.45	10.87
Black	8	33.85	25.31		2	42.31	22.91	1	21.16	18.14	1	21.16	10.95
Nonwhite/black	0	0.00	0.00		0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Gender													
Male	35	16.69	11.92		11	26.23	18.93	6	14.31	10.11	5	11.92	7.99
Female	54	23.56	12.24		8	17.45	8.17	8	17.45	8.65	12	26.18	13.35
Age													
Under 65	47	12.18	NA		5	6.48	NA	12	15.55	NA	14	18.14	NA
65 and over	42	79.19	NA		14	131.99	NA	2	18.86	NA	3	28.28	NA
Ethnicity													
Hispanic	0	0.00	0.00		0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonhispanic	89	20.41	11.93		19	21.78	12.13	14	16.05	9.32	17	19.49	10.89

		1992				1993				1994			
		Deaths	Crude Rate	Age-Adjusted*									
All Persons	16	66	18.23	75.19	11.58	23	87	26.20	99.11	15.62			
Race													
White	14	58	17.02	70.50	10.29	21	74	25.53	89.95	15.09			
Black	2	8	42.31	169.24	45.45	2	13	42.31	275.02	29.09			
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00			
Gender													
Male	7	28	16.69	66.76	12.84	6	35	14.31	83.45	9.72			
Female	9	38	19.63	82.90	10.67	17	52	37.09	113.45	20.37			
Age													
Under 65	10	14	12.96	18.14	NA	6	17	7.78	22.03	NA			
65 and over	6	52	56.57	490.24	NA	17	70	160.27	659.94	NA			
Ethnicity													
Hispanic	0	1	0.00	178.57	0.00	0	0	0.00	0.00	0.00			
Nonhispanic	16	65	18.35	74.53	11.62	23	87	26.37	99.75	15.68			

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics

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Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity, and County, 1989-1993

Appendix 4

Clay County

1989							1990							1991							
All Years			Crude Rate		Age-Adjusted		Deaths			Crude Rate		Age-Adjusted		Deaths			Crude Rate		Age-Adjusted		
All Persons	30	24.29	12.46	4	16.19	8.99	9	36.43	24.16	6	24.29	13.24									
Race																					
White	29	23.63	12.15	4	16.29	9.07	9	36.66	24.38	6	24.44	13.38									
Black	1	176.99	40.36	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00									
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00									
Gender																					
Male	11	18.57	11.88	1	8.44	8.86	3	25.32	17.38	3	25.32	17.38									
Female	19	29.56	12.79	3	23.34	7.57	6	46.67	30.33	3	23.34	9.41									
Age																					
Under 65	17	16.56	NA	1	4.87	NA	5	24.35	NA	5	24.35	NA									
65 and over	13	62.32	NA	3	71.91	NA	4	95.88	NA	1	23.97	NA									
Ethnicity																					
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00									
Nonhispanic	30	24.35	12.48	4	16.23	9.01	9	36.53	24.20	6	24.35	13.25									

1992							1993													
Deaths			Crude Rate		Age-Adjusted*		Deaths			Crude Rate		Age-Adjusted*		Deaths			Crude Rate		Age-Adjusted*	
Underlying		Any Cause**	Underlying	Any Cause**	Adjusted*		Underlying		Any Cause**	Underlying	Any Cause**	Adjusted*	Underlying		Any Cause**	Underlying	Any Cause**	Adjusted*		
All Persons	6	22	24.29	89.05	6.98		5	28		20.24	113.34	8.95								
Race																				
White	5	20	20.37	81.47	4.87		5	28		20.37	114.06	9.05								
Black	1	1	884.96	884.96	201.78		0	0		0.00	0.00	0.00								
Nonwhite/black	0	1	0.00	1785.71	0.00		0	0		0.00	0.00	0.00								
Gender																				
Male	1	6	8.44	50.64	3.58		3	15		25.32	126.59	12.20								
Female	5	16	38.89	124.46	9.16		2	13		15.56	101.12	7.50								
Age																				
Under 65	6	3	29.22	14.61	NA		0	5		0.00	24.35	NA								
65 and over	0	19	0.00	455.42	NA		5	23		119.85	551.29	NA								
Ethnicity																				
Hispanic	0	0	0.00	0.00	0.00		0	0		0.00	0.00	0.00								
Nonhispanic	6	22	24.35	89.29	6.99		5	28		20.29	113.64	8.96								

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics

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Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity, and County, 1989-1993

Clinton County

Appendix A

		All Years			1993			1990			1991		
		Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted*
All Persons	37	23.89	10.10	4	12.91	3.74	4	12.91	5.53	5	16.14	12.16	
Race													
White	37	24.21	10.12	4	13.09	3.74	4	13.09	5.55	5	16.36	12.20	
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Gender													
Male	12	16.02	8.67	1	6.68	2.93	3	20.03	10.51	0	0.00	0.00	
Female	25	31.26	11.22	3	18.75	4.14	1	6.25	1.77	5	31.26	22.76	
Age													
Under 65	13	9.93	NA	0	0.00	NA	3	11.46	NA	2	7.64	NA	
65 and over	24	99.96	NA	4	83.30	NA	1	20.82	NA	3	62.47	NA	
Ethnicity													
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Nonhispanic	37	24.25	10.15	4	13.11	3.74	4	13.11	5.55	5	16.38	12.25	

		1992			1993			1990			1991		
		Deaths	Crude Rate	Age-Adjusted*									
All Persons	7	34	22.60	109.77	6.92	17	47	54.88	151.74	22.16			
Race													
White	7	34	22.90	111.24	6.93	17	47	55.62	153.78	22.20			
Black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00			
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00			
Gender													
Male	3	13	20.03	86.80	9.09	5	17	33.38	113.51	20.84			
Female	4	21	25.00	131.27	5.04	12	30	75.01	187.54	22.40			
Age													
Under 65	6	1	22.93	3.82	NA	2	7	7.64	26.75	NA			
65 and over	1	33	20.82	687.21	NA	15	40	312.37	832.99	NA			
Ethnicity													
Hispanic	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00			
Nonhispanic	7	34	22.94	111.40	6.95	17	47	55.70	153.99	22.24			

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics

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Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity, and County, 1989-1993

Appendix A

Crawford County

		All Years				1989				1990			
		Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted
All Persons	18	36.31	19.51	4	40.35	22.62	3	30.26	18.49	4	40.35	21.86	
Race													
White	18	36.55	19.61	4	40.61	22.72	3	30.46	18.57	4	40.61	21.97	
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Gender													
Male	9	36.60	21.66	2	40.67	21.46	1	20.33	13.02	3	61.00	40.13	
Female	9	36.03	18.05	2	40.03	25.29	2	40.03	21.90	1	20.02	5.62	
Age													
Under 65	8	18.82	NA	0	0.00	NA	2	23.53	NA	3	35.29	NA	
65 and over	10	141.44	NA	4	282.89	NA	1	70.72	NA	1	70.72	NA	
Ethnicity													
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Nonhispanic	18	36.37	19.53	4	40.41	22.62	3	30.31	18.51	4	40.41	21.88	

		All Years				1991				1992			
		Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
All Persons	3	7	30.26	70.61	18.49	4	11	40.35	110.95	16.12			
Race													
White	3	7	30.46	71.07	18.57	4	11	40.61	111.69	16.23			
Black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00			
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00			
Gender													
Male	1	3	20.33	61.00	18.67	2	5	40.67	101.67	15.04			
Female	2	4	40.03	80.06	18.26	2	6	40.03	120.10	19.20			
Age													
Under 65	2	1	23.53	11.76	NA	1	2	11.76	23.53	NA			
65 and over	1	6	70.72	424.33	NA	3	9	212.16	636.49	NA			
Ethnicity													
Hispanic	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00			
Nonhispanic	3	7	30.31	70.72	18.51	4	11	40.41	111.13	16.13			

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics

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Bowen Research Center, Indiana University

Diabetes Mortality Rates per 100,000 by Race, Gender, Age*, Ethnicity, and County, 1989-1993

Appendix A

Daviess County

		All Years				1991						
		Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted*		
All Persons	67	48.67	19.38	10	36.32	14.05	11	39.95	17.28	14	50.85	15.49
Race												
White	63	45.90	18.79	9	32.79	12.96	11	40.07	17.39	13	47.36	15.01
Black	4	808.08	132.30	1	1010.10	192.26	0	0.00	0.00	1	1010.10	138.50
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Gender												
Male	27	40.21	20.42	1	7.45	3.06	5	37.23	21.32	6	44.68	17.81
Female	40	56.73	18.64	9	63.82	22.10	6	42.54	13.99	8	56.73	14.09
Age												
Under 65	40	34.59	NA	2	8.65	NA	10	43.24	NA	13	56.22	NA
65 and over	27	122.50	NA	8	181.49	NA	1	22.69	NA	1	22.69	NA
Ethnicity												
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonhispanic	67	48.82	19.41	10	36.43	14.09	11	40.08	17.32	14	51.01	15.52

		1992				1993				
		Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
		Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**	Age-Adjusted*
All Persons	15	31	54.48	112.59	22.02	17	34	61.74	123.49	28.03
Race										
White	14	30	51.00	109.29	21.57	16	33	58.29	120.22	27.02
Black	1	1	1010.10	1010.10	138.50	1	1	1010.10	1010.10	192.26
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00
Gender										
Male	8	15	59.57	111.69	33.24	7	19	52.12	141.47	26.69
Female	7	16	49.63	113.45	13.24	10	15	70.91	106.36	29.79
Age										
Under 65	13	3	56.22	12.97	NA	2	5	8.65	21.62	NA
65 and over	2	28	45.37	635.21	NA	15	29	340.29	657.89	NA
Ethnicity										
Hispanic	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00
Nonhispanic	15	31	54.65	112.94	22.06	17	34	61.94	123.88	28.08

* Age adjusted rates were based on diabetes as the underlying cause of death.

**Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics

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Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity, and County, 1989-1993

Appendix A

Dearborn County

		All Years			1989			1991		
		Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted*
All Persons	Race	26	13.39	6.45	6	15.45	7.28	4	10.30	5.34
White	White	26	13.54	6.50	6	15.62	7.34	4	10.41	5.38
Black	Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonwhite/black	Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Gender	Male	11	11.56	7.93	2	10.51	6.49	3	15.76	11.32
	Female	15	15.15	5.23	4	20.20	7.88	1	5.05	0.75
Age	Under 65	15	8.77	NA	0	0.00	NA	4	11.69	NA
	65 and over	11	47.65	NA	6	129.95	NA	0	0.00	NA
Ethnicity	Hispanic	1	160.00	55.40	1	800.00	277.00	0	0.00	0.00
	Nonhispanic	25	12.92	6.35	5	12.92	6.72	4	10.33	5.35

		1992			1993		
		Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
		Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**
All Persons	Race	3	28	7.72	72.10	1.71	4
White	White	3	27	7.81	70.28	1.72	4
Black	Black	0	1	0.00	396.83	0.00	1
Nonwhite/black	Nonwhite/black	0	0	0.00	0.00	0	0
Gender	Male	0	14	0.00	73.56	0.00	3
	Female	3	14	15.15	70.69	2.24	1
Age	Under 65	3	4	8.77	11.69	NA	0
	65 and over	0	24	0.00	519.82	NA	4
Ethnicity	Hispanic	0	0	0.00	0.00	0.00	0
	Nonhispanic	3	28	7.75	72.33	1.71	4

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics

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Bowen Research Center, Indiana University

Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Decatur County

Appendix A

		1990			1991			1992			1993		
		Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
All Persons		51	43.14	17.08	10	42.29	20.43	11	46.52	16.90	12	50.75	22.65
Race													
White		50	42.67	16.83	10	42.67	20.50	11	46.94	16.97	12	51.21	22.76
Black		1	512.82	346.06	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonwhite/black		0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Gender													
Male		12	20.61	12.02	1	8.59	3.92	4	34.34	19.01	4	34.34	25.40
Female		39	65.01	19.83	9	75.01	33.17	7	58.34	14.37	8	66.68	17.79
Age													
Under 65		28	27.33	NA	0	0.00	NA	10	48.81	NA	10	48.81	NA
65 and over		23	145.66	NA	10	316.66	NA	1	31.67	NA	2	63.33	NA
Ethnicity													
Hispanic		1	217.39	86.52	1	1086.96	432.58	0	0.00	0.00	0	0.00	0.00
Nonhispanic		50	42.46	16.82	9	38.21	18.85	11	46.70	16.97	12	50.95	22.75
1992													
		1993											
		Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
All Persons		9	17	38.06	71.90	12.13	9	16	38.06	67.67	13.30		
Race													
White		9	17	38.40	72.54	12.18	8	15	34.14	64.01	11.73		
Black		0	0	0.00	0.00	0.00	1	1	2564.10	2564.10	1730.30		
Nonwhite/black		0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00		
Gender													
Male		1	5	8.59	42.93	3.92	2	7	17.17	60.10	7.85		
Female		8	12	66.68	100.02	17.14	7	9	58.34	75.01	16.69		
Age													
Under 65		8	2	39.05	9.76	NA	0	1	0.00	4.88	NA		
65 and over		1	15	31.67	4/4.98	NA	9	15	284.99	474.98	NA		
Ethnicity		0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00		
Hispanic		9	17	38.21	72.18	12.18	9	16	38.21	67.93	13.35		

*Age adjusted rates were based on diabetes as the underlying cause of death.

**Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

DeKalb County

	All Years			1989			1990			1991		
	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
All Persons	38	21.52	13.16	10	28.31	22.52	6	16.99	9.82	6	16.99	11.39
Race												
White	38	21.70	13.20	10	28.55	22.60	6	17.13	9.85	6	17.13	11.43
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Gender												
Male	17	19.64	16.34	6	34.66	30.39	2	11.55	9.14	3	17.33	16.33
Female	21	23.32	9.83	4	22.21	16.48	4	22.21	9.54	3	16.65	5.89
Age												
Under 65	18	11.57	NA	4	12.86	NA	5	16.08	NA	4	12.86	NA
65 and over	20	94.74	NA	6	142.11	NA	1	23.69	NA	2	47.37	NA
Ethnicity												
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonhispanic	38	21.71	13.22	10	28.57	22.63	6	17.14	9.86	6	17.14	11.43

	1992			1993							
	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*					
All Persons	5	25	14.15	70.77	8.46	11	26	31.14	73.60	13.61	
Race											
White	5	25	14.27	71.37	8.49	11	26	31.40	74.22	13.65	
Black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	
Gender											
Male	2	9	11.55	51.99	8.59	4	9	23.11	51.99	17.25	
Female	3	16	16.65	88.82	7.57	7	17	38.86	94.38	9.68	
Age											
Under 65	4	3	12.86	9.65	NA	1	2	3.22	6.43	NA	
65 and over	1	22	23.69	521.08	NA	10	24	236.85	568.45	NA	
Ethnicity											
Hispanic	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	
Nonhispanic	5	25	14.28	71.42	8.50	11	26	31.43	74.28	13.66	

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Delaware County

	1989			1990			1991		
	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted*
All Persons	167	27.91	15.56	26	21.73	11.96	32	26.74	15.89
Race									
White	153	27.49	14.88	24	21.56	11.49	29	26.05	15.47
Black	14	38.81	29.08	2	27.72	24.29	3	41.59	23.26
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Gender									
Male	67	23.62	16.61	12	21.15	14.13	13	22.92	16.24
Female	100	31.78	14.88	14	22.25	10.66	19	30.19	16.20
Age									
Under 65	92	17.60	NA	4	3.83	NA	24	22.96	NA
65 and over	75	99.25	NA	22	145.56	NA	8	52.93	NA
Ethnicity									
Hispanic	1	23.45	23.07	0	0.00	0.00	0	0.00	0.00
Nonhispanic	166	27.94	15.54	26	21.88	12.00	32	26.93	15.95
 1992									
	Deaths			Crude Rate			Age-Adjusted*		
All Persons	35	96	29.25	80.23	16.58	Underlying	Deaths	Crude Rate	Age-Adjusted*
Race						Underlying	Any Cause**	Underlying	Any Cause**
White	31	88	27.85	79.04	15.57	37	106	33.23	95.21
Black	4	8	55.45	110.90	33.35	1	8	13.86	110.90
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00
Gender									
Male	14	45	24.68	79.33	16.45	15	40	26.44	70.51
Female	21	51	33.37	81.04	17.38	23	74	36.55	117.59
Age									
Under 65	30	17	28.70	16.26	NA	4	14	3.83	13.39
65 and over	5	79	33.08	522.69	NA	34	100	224.96	661.64
Ethnicity									
Hispanic	0	0	0.00	0.00	0.00	1	1	117.23	117.23
Nonhispanic	35	96	29.46	80.80	16.63	37	113	31.14	95.11
 1993									
	Deaths			Crude Rate			Age-Adjusted*		
All Persons	38	114	31.76	31.76	95.27	Underlying	Deaths	Crude Rate	Age-Adjusted*
Race						Underlying	Any Cause**	Underlying	Any Cause**
White	31	88	27.85	79.04	15.57	37	106	33.23	95.21
Black	4	8	55.45	110.90	33.35	1	8	13.86	110.90
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00
Gender									
Male	14	45	24.68	79.33	16.45	15	40	26.44	70.51
Female	21	51	33.37	81.04	17.38	23	74	36.55	117.59
Age									
Under 65	30	17	28.70	16.26	NA	4	14	3.83	13.39
65 and over	5	79	33.08	522.69	NA	34	100	224.96	661.64
Ethnicity									
Hispanic	0	0	0.00	0.00	0.00	1	1	117.23	117.23
Nonhispanic	35	96	29.46	80.80	16.63	37	113	31.14	95.11

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Dubois County

All Years			1989			1990			1991			
	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted*
All Persons	18	9.83	5.05	5	13.66	5.91	3	8.19	6.65	3	8.19	6.65
Race												
White	18	9.88	5.05	5	13.72	5.92	3	8.23	6.66	3	8.23	6.66
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Gender												
Male	8	8.91	5.44	0	0.00	0.00	2	11.13	10.00	1	5.57	4.46
Female	10	10.72	4.98	5	26.80	10.08	1	5.36	3.61	2	10.72	8.73
Age												
Under 65	9	5.61	NA	1	3.12	NA	2	6.23	NA	2	6.23	NA
65 and over	9	39.85	NA	4	88.55	NA	1	22.14	NA	1	22.14	NA
Ethnicity												
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonhispanic	18	9.90	5.06	5	13.75	5.93	3	8.25	6.66	3	8.25	6.66

1992			1993								
	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*					
All Persons	4	28	10.92	76.47	3.90	3	26	8.19	71.01	2.12	
Race											
White	4	28	10.98	76.84	3.90	3	26	8.23	71.36	2.12	
Black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	
Gender											
Male	2	13	11.13	72.38	6.20	3	10	16.70	55.67	6.56	
Female	2	15	10.72	80.41	2.48	0	16	0.00	85.77	0.00	
Age											
Under 65	4	4	12.46	12.46	NA	0	2	0.00	6.23	NA	
65 and over	0	24	0.00	531.33	NA	3	24	66.42	531.33	NA	
Ethnicity											
Hispanic	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	
Nonhispanic	4	28	11.00	76.98	3.91	3	26	8.25	71.48	2.12	

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Elkhart County

		All Years			1989			1990			1991		
	Deaths	Crude Rate	Age-Adjusted*										
All Persons	121	15.49	10.12	25	16.01	11.17	20	12.80	6.96	22	14.08	9.26	
Race													
White	111	15.17	9.44	23	15.72	10.47	20	13.67	7.12	21	14.35	9.23	
Black	9	25.26	36.10	1	14.04	17.66	0	0.00	0.00	1	14.04	17.66	
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Gender													
Male	49	12.83	9.79	11	14.40	12.01	5	6.54	3.89	10	13.09	9.80	
Female	72	18.05	10.60	14	17.54	10.68	15	18.80	9.40	12	15.04	9.28	
Age													
Under 65	66	9.52	NA	7	5.05	NA	20	14.42	NA	15	10.81	NA	
65 and over	55	62.92	NA	18	102.96	NA	0	0.00	NA	7	40.04	NA	
Ethnicity													
Hispanic	3	20.46	35.77	1	34.11	28.82	1	34.11	50.89	1	34.11	99.13	
Nonhispanic	118	15.40	9.85	24	15.66	10.54	19	12.40	6.68	21	13.70	8.67	

		All Years			1992			1993			1994		
	Deaths	Crude Rate	Age-Adjusted*										
All Persons	27	107	17.29	68.50	11.67	27	121	17.29	77.47	1157	11.57		
Race													
White	25	99	17.08	67.65	10.88	22	114	15.03	77.90	9.50			
Black	2	8	28.07	112.28	43.32	5	7	70.18	98.25	101.84			
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00		
Gender													
Male	15	54	19.63	70.68	15.03	8	62	10.47	81.15	8.21			
Female	12	53	15.04	66.42	9.52	19	59	23.81	73.94	14.10			
Age													
Under 65	18	20*	12.98	14.42	NA	6	21	4.33	15.14	NA			
65 and over	9	87	51.48	497.65	NA	21	100	120.12	572.02	NA			
Ethnicity													
Hispanic	0	0	0.00	0.00	0.00	0	1	0.00	34.11	0.00			
Nonhispanic	27	107	17.62	69.81	11.75	27	120	17.62	78.30	11.63			

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics

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Huwen Research Center, Indiana University

Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Fayette County

		1989				1990				1991			
		Deaths	Crude Rate	Age-Adjusted*									
All Persons	34	26.14	14.26	8	30.75	15.93	6	23.06	12.27	9	34.60	16.95	
Race													
White	32	25.15	12.96	8	31.44	16.23	6	23.58	12.52	9	35.37	17.25	
Black	2	91.95	90.91	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Gender													
Male	19	30.24	19.97	5	39.78	26.19	3	23.87	15.93	6	47.74	29.47	
Female	15	22.31	10.18	3	22.31	7.95	3	22.31	9.33	3	22.31	7.95	
Age													
Under 65	21	18.93	NA	2	9.01	NA	4	18.03	NA	7	31.54	NA	
65 and over	13	67.99	NA	6	156.90	NA	2	52.30	NA	2	52.30	NA	
Ethnicity													
Hispanic	1	240.96	556.95	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Nonhispanic	33	25.45	13.59	8	30.85	15.96	6	23.14	12.30	9	34.71	16.99	

		1992				1993					
		Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Age-Adjusted*
		Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Age-Adjusted*
All Persons	4	29	15.38	111.47	5.83	7	41	26.91	157.60	20.34	
Race											
White	4	28	15.72	110.03	5.91	5	38	19.65	149.33	12.87	
Black	0	1	0.00	229.89	0.00	2	3	459.77	689.66	454.53	
Nonwhite/black	0	0	0.00	0.00	0	0	0	0.00	0.00	0.00	
Gender											
Male	2	10	15.91	79.57	8.02	3	17	23.87	135.26	20.25	
Female	2	19	14.87	141.30	4.82	4	24	29.75	178.48	20.83	
Age											
Under 65	4	5	18.03	22.53	NA	4	11	18.03	49.57	NA	
65 and over	0	24	0.00	627.62	NA	3	30	78.45	784.52	NA	
Ethnicity											
Hispanic	0	0	0.00	0.00	0.00	1	1	1204.82	1204.82	2784.74	
Nonhispanic	4	29	15.42	111.83	5.84	6	40	23.14	154.25	16.84	

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics

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Bowen Research Center, Indiana University

Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Floyd County

	Deaths	All Years			1989			1990			1991			1992		
		Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted*	
All Persons	69	21.43	12.86	21	32.61	20.46	12	18.63	12.77	12	18.63	12.41				
Race																
White	62	20.24	11.88	19	31.01	19.42	12	19.58	13.18	11	17.95	11.34				
Black	7	52.89	45.35	2	75.56	60.90	0	0.00	0.00	1	37.78	46.68				
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00				
Gender																
Male	29	18.91	13.53	11	35.87	25.37	5	16.30	12.04	4	13.04	7.53				
Female	40	23.71	12.58	10	29.64	17.84	7	20.75	13.68	8	23.71	17.80				
Age																
Under 65	31	11.03	NA	6	10.67	NA	8	14.23	NA	8	14.23	NA				
65 and over	38	93.03	NA	15	183.62	NA	4	48.97	NA	4	48.97	NA				
Ethnicity																
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00				
Nonhispanic	69	21.51	12.90	21	32.74	20.53	12	18.71	12.81	12	18.71	12.44				

	Deaths	1992			1993			1994			1995			1996		
		Underlying	Any Cause**	Crude Rate	Underlying	Any Cause**	Crude Rate	Underlying	Any Cause**	Crude Rate	Underlying	Any Cause**	Crude Rate	Underlying	Any Cause**	Crude Rate
All Persons	7	45	10.87	69.87	7.18	17	49	26.40	26.40	76.08	11.50					
Race																
White	5	41	8.16	66.91	5.33	15	45	24.48	24.48	73.44	10.11					
Black	2	4	75.56	151.11	65.22	2	4	75.56	75.56	151.11	53.97					
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00					
Gender																
Male	4	16	13.04	52.17	10.59	5	17	16.30	16.30	55.43	12.12					
Female	3	29	8.89	85.96	3.86	12	32	35.57	35.57	94.85	9.71					
Age																
Under 65	5	11	8.89	19.56	NA	4	8	7.11	7.11	14.23	NA					
65 and over	2	34	24.48	416.21	NA	13	41	159.14	159.14	501.90	NA					
Ethnicity																
Hispanic	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00					
Nonhispanic	7	45	10.91	70.15	7.20	17	49	26.50	26.50	76.38	11.54					

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Fountain County

		1989						1990						1991					
		All Years			Deaths			Crude Rate			Age-Adjusted*			Deaths			Crude Rate		
All Persons	20	22.46	8.73	2	11.23	10.31	3	16.85	6.51	2	11.23	1.74							
Race																			
White	20	22.56	8.75	2	11.28	10.34	3	16.92	6.52	2	11.28	1.74							
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00							
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00							
Gender																			
Male	11	25.57	14.25	2	23.25	20.82	1	11.62	5.15	0	0.00	0.00							
Female	9	19.55	4.33	0	0.00	0.00	2	21.73	7.91	2	21.73	2.34							
Age																			
Under 65	13	17.52	NA	2	13.48	NA	3	20.22	NA	2	13.48	NA							
65 and over	7	47.15	NA	0	0.00	NA	0	0.00	NA	0	0.00	NA							
Ethnicity																			
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00							
Nonhispanic	20	22.57	8.75	2	11.29	10.35	3	16.93	6.52	2	11.29	1.74							

		1992						1993																	
		All Years			Deaths			Crude Rate			Age-Adjusted*			Underlying			Deaths			Crude Rate			Any Cause**		
All Persons	5	19	28.08	106.69	8.24	8	19	44.92	106.69	16.85															
Race																									
White	5	19	28.20	107.18	8.26	8	19	45.13	107.18	16.91															
Black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00															
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00															
Gender																									
Male	3	11	34.87	127.86	15.25	5	9	58.12	104.61	30.04															
Female	2	8	21.73	86.91	3.92	3	10	32.59	108.64	7.49															
Age																									
Under 65	5	2	33.69	13.48	NA	1	2	6.74	13.48	NA															
65 and over	0	17	0.00	572.58	NA	7	17	235.77	572.58	NA															
Ethnicity																									
Hispanic	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00															
Nonhispanic	5	19	28.22	107.22	8.25	8	19	45.15	107.22	16.89															

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics

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Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County 1989-1993

Appendix A

Franklin County

		1989						1991						1993					
		All Years		Crude Rate		Age-Adjusted*		Deaths		Crude Rate		Age-Adjusted*		Deaths		Crude Rate		Age-Adjusted*	
All Persons	21	21.45	10.80	2	10.21	6.83	5	25.54	15.93	7	35.75	19.70							
Race																			
White	20	20.61	10.08	2	10.31	6.83	5	25.76	15.95	6	30.92	16.08							
Black	1	2000.00	-	0	0.00	0.00	0	0.00	0.00	1	10000.00	-							
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00							
Gender																			
Male	12	24.76	17.18	2	20.63	15.33	4	41.27	33.34	2	20.63	13.95							
Female	9	18.21	5.68	0	0.00	0.00	1	10.11	1.17	5	50.57	23.73							
Age																			
Under 65	13	15.16	NA	1	5.83	NA	3	17.50	NA	7	40.83	NA							
65 and over	8	65.74	NA	1	41.08	NA	2	82.17	NA	0	0.00	NA							
Ethnicity																			
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00							
Nonhispanic	21	21.51	10.40	2	10.24	6.84	5	25.60	15.99	7	35.85	19.77							

		1992						1993											
		All Years		Crude Rate		Age-Adjusted*		Deaths		Crude Rate		Age-Adjusted*		Deaths		Crude Rate		Age-Adjusted*	
		Underlying		Any Cause**		Underlying		Any Cause**		Underlying		Any Cause**		Underlying		Any Cause**		Age-Adjusted*	
All Persons	2	12	10.21	61.29	1.81	5	6	25.54	30.64	9.74									
Race																			
White	2	12	10.31	61.83	1.81	5	6	25.76	30.92	9.74									
Black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00									
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00									
Gender																			
Male	0	5	0.00	51.58	0.00	4	5	41.27	51.58	23.30									
Female	2	7	20.23	70.80	2.34	1	1	10.11	10.11	1.17									
Age																			
Under 65	2	3	11.66	17.50	NA	0	0	0.00	0.00	NA									
65 and over	0	9	0.00	369.76	NA	5	6	205.42	246.51	NA									
Ethnicity																			
Hispanic	0	0	0.00	0.00	0.00	0	1	0.00	1923.08	0.00									
Nonhispanic	2	12	10.24	61.45	1.83	5	5	25.60	25.60	7.55									

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

- Rate was undefined.

Source: Indiana State Department of Health Vital Statistics

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Bowen Research Center, Indiana University

Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County 1989-1993

Appendix A

Fulton County

	All Years				1989				1990				1991			
	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	
All Persons	31	32.91	13.55	4	21.23	12.79	5	26.54	11.45	8	42.46	13.36				
Race																
White	30	32.36	12.56	4	21.57	12.98	5	26.97	11.62	8	43.15	13.58				
Black	1	132.45	214.20	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00				
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00				
Gender																
Male	17	37.07	17.59	1	10.90	4.58	2	21.81	10.78	3	32.71	15.36				
Female	14	28.96	11.30	3	31.03	21.50	3	31.03	12.17	5	51.71	11.10				
Age																
Under 65	20	25.27	NA	2	12.63	NA	4	25.27	NA	8	50.53	NA				
65 and over	11	73.11	NA	2	66.47	NA	1	33.23	NA	0	0.00	NA				
Ethnicity																
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00				
Nonhispanic	31	33.15	13.58	4	21.38	12.88	5	26.73	11.48	8	42.77	13.37				

	1992				1993				
	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**	Age-Adjusted*
All Persons	8	21	42.46	111.46	20.75	6	16	31.85	84.93
Race									9.37
White	7	20	37.75	107.87	15.17	6	16	32.36	86.30
Black	1	1	662.25	662.25	1071.01	0	0	0.00	0.00
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00
Gender									
Male	7	12	76.33	130.85	42.08	4	8	43.62	87.23
Female	1	9	10.34	93.08	5.18	2	8	20.68	82.74
Age									
Under 65	6	2	37.90	12.63	NA	0	1	0.00	6.32
65 and over	2	19	66.47	631.44	NA	6	15	199.40	498.50
Ethnicity									
Hispanic	0	0	0.00	0.00	0.00	0	0	0.00	0.00
Nonhispanic	8	21	42.77	112.27	20.80	6	16	32.08	85.54

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics

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Hawen Research Center, Indiana University

Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County 1989-1993

Appendix A

Gibson County

All Years			1989			1990			1991			
	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted*
All Persons	67	41.99	19.88	6	18.80	8.44	15	47.00	17.57	12	37.60	20.20
Race												
White	64	41.09	19.33	6	19.26	8.60	15	48.15	17.90	11	35.31	18.77
Black	3	100.67	68.51	0	0.00	0.00	0	0.00	0.00	1	167.79	142.43
Gender												
Male	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Female	38	45.82	16.55	4	24.12	11.12	8	48.23	12.99	8	48.23	23.98
Age												
Under 65	29	37.84	23.24	2	13.05	5.49	7	45.67	22.89	4	26.10	15.62
65 and over	36	26.80	NA	1	3.72	NA	14	52.10	NA	9	33.50	NA
Hispanic	0	0.00	0.00	5	99.13	NA	1	19.83	NA	3	59.48	NA
Nonhispanic	67	42.16	19.93	6	18.88	8.46	15	47.20	17.61	12	37.76	20.24

1992			1993		
	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate
All Persons	18	43	56.40	134.74	33.28
Underlying Any Cause**					
Race					
White	16	41	51.36	131.61	31.11
Black	2	2	335.57	335.57	200.11
Nonwhite/black	0	0	0.00	0.00	0.00
Gender					
Male	11	24	71.77	156.59	55.57
Female	7	19	42.20	114.55	12.37
Age					
Under 65	12	9	44.66	33.50	NA
65 and over	6	34	118.95	674.07	NA
Ethnicity					
Hispanic	0	0	0.00	0.00	0.00
Nonhispanic	18	43	56.64	135.31	33.37

* Age adjusted rates were based on diabetes as the underlying cause of death.

**Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County 1989-1993

Appendix A

Grant County

		1989			1990			1991			1992			1993		
		Deaths	Crude Rate	Age-Adjusted*												
All Persons	123	33.17	17.54		17	22.92	10.05	25	33.71	17.81	26	35.06	18.91			
Race																
White	112	32.95	16.33		15	22.07	9.11	22	32.36	16.22	25	36.78	19.09			
Black	10	39.23	37.41		2	39.23	30.95	3	58.85	52.71	1	19.62	18.14			
Nonwhite/black	1	28.86	22.10		0	0.00	0.00	0	0.00	0.00	0	0.00	0.00			
Gender																
Male	53	29.61	18.99		6	16.76	9.07	12	33.52	22.97	10	27.93	18.96			
Female	70	36.49	16.36		11	28.67	11.00	13	33.88	12.95	16	41.70	18.35			
Age																
Under 65	66	20.64	NA		1	1.56	NA	19	29.70	NA	21	32.83	NA			
65 and over	57	111.75	NA		16	156.85	NA	6	58.82	NA	5	49.01	NA			
Ethnicity																
Hispanic	1	13.21	17.65		0	0.00	0.00	0	0.00	0.00	1	66.05	88.24			
Nonhispanic	122	33.58	17.49		17	23.40	10.12	25	34.41	17.98	25	34.41	18.01			

		1989			1990			1991			1992			1993		
		Deaths	Crude Rate	Age-Adjusted*												
All Persons	29	71	39.10	95.73	22.92	26	62	35.06	83.59	18.02						
Race																
White	25	64	36.78	94.15	19.37	25	55	36.78	80.91	17.87						
Black	3	6	58.85	117.69	63.51	1	7	19.62	137.31	21.76						
Nonwhite/black	1	1	144.30	144.30	110.51	0	0	0.00	0.00	0.00						
Gender																
Male	14	38	39.11	106.15	26.19	11	27	30.73	75.42	17.77						
Female	15	33	39.09	86.00	20.41	15	35	39.09	91.21	19.11						
Age																
Under 65	20	17	31.27	26.58	NA	5	7	7.82	10.94	NA						
65 and over	9	54	88.23	529.36	NA	21	55	205.86	539.16	NA						
Ethnicity																
Hispanic	0	0	0.00	0.00	0.00	0	1	0.00	66.05	0.00						
Nonhispanic	29	71	39.91	97.72	23.16	26	61	35.79	83.96	18.20						

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County 1989-1993

Appendix A

Greene County

All Years			1989			1990			1991			
Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted*	
All Persons	53	34.86	18.90	11	36.17	19.06	6	19.73	10.20	11	36.17	25.58
Race												
White	53	35.08	18.97	11	36.41	19.13	6	19.86	10.24	11	36.41	25.68
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Gender												
Male	24	32.53	19.19	4	27.11	17.01	3	20.33	13.67	4	27.11	17.43
Female	29	37.05	19.32	7	44.72	20.91	3	19.16	6.96	7	44.72	33.78
Age												
Under 65	22	17.31	NA	3	11.80	NA	4	15.73	NA	5	19.67	NA
65 and over	31	124.30	NA	8	160.38	NA	2	40.10	NA	6	120.29	NA
Ethnicity												
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonhispanic	53	35.03	18.95	11	36.35	19.11	6	19.83	10.23	11	36.35	25.67

1992			1993		
Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
All Persons	9	33	29.60	108.52	14.56
Race					
White	9	33	29.79	109.22	14.61
Black	0	0	0.00	0.00	0.00
Nonwhite/black	0	0	0.00	0.00	0.00
Gender					
Male	5	17	33.88	115.21	16.32
Female	4	16	25.55	102.21	14.40
Age					
Under 65	7	5	27.54	19.67	NA
65 and over	2	28	40.10	561.35	NA
Ethnicity					
Hispanic	0	0	0.00	0.00	0.00
Nonhispanic	9	33	29.74	109.04	14.59

* Age-adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County 1989-1993

Appendix A

Hamilton County

	All Years			1989			1990			1991			1992			1993		
	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted
All Persons	62	11.38	8.60	11	10.10	7.94	13	11.93	7.58	15	13.77	11.05						
Race																		
White	61	11.42	8.50	11	10.30	8.01	12	11.24	6.76	15	14.04	11.16						
Black	1	29.54	53.81	0	0.00	0.00	1	147.71	269.03	0	0.00	0.00						
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00						
Gender																		
Male	25	9.38	8.87	5	9.38	8.72	5	9.38	7.59	5	9.38	9.48						
Female	37	13.30	8.27	6	10.78	8.06	8	14.37	8.59	10	17.97	11.56						
Age																		
Under 65	34	6.80	NA	0	0.00	NA	11	11.01	NA	13	13.01	NA						
65 and over	28	62.20	NA	11	122.18	NA	2	22.21	NA	2	22.21	NA						
Ethnicity																		
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00						
Nonhispanic	62	11.46	8.62	11	10.17	7.96	13	12.01	7.60	15	13.86	11.08						

	1989			1990			1991			1992			1993					
	Deaths	Crude Rate	Age-Adjusted*															
All Persons	9	47	8.26	43.14	6.23	14	39	12.85	35.80	10	10.18							
Race																		
White	9	45	8.43	42.13	6.30	14	39	13.11	36.51	10	10.29							
Black	0	2	0.00	295.42	0.00	0	0	0.00	0.00	0	0.00							
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0	0.00							
Gender																		
Male	3	22	5.63	41.29	5.28	7	18	13.14	33.78	13	13.26							
Female	6	25	10.78	44.92	6.43	7	21	12.58	37.73	6	6.69							
Age																		
Under 65	7	10	7.00	10.01	NA	3	5	3.00	5.00	NA								
65 and over	2	37	22.21	410.97	NA	11	34	122.18	377.65	NA								
Ethnicity																		
Hispanic	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0	0.00							
Nonhispanic	9	47	8.32	43.43	6.25	14	39	12.94	36.04	10	10.21							

* Age adjusted rates were based on diabetes as the underlying cause of death.

**Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County 1989-1993

Hancock County

	All Years				1989				1990				1991			
	Deaths	Crude Rate	Age-Adjusted		Deaths	Crude Rate	Age-Adjusted		Deaths	Crude Rate	Age-Adjusted		Deaths	Crude Rate	Age-Adjusted*	
All Persons	56	24.60	15.76		14	30.75	18.30		12	26.36	16.65		10	21.96	13.75	
Race																
White	56	24.82	15.82		14	31.03	18.35		12	26.59	16.72		10	22.16	13.81	
Black	0	0.00	0.00		0	0.00	0.00		0	0.00	0.00		0	0.00	0.00	
Nonwhite/black	0	0.00	0.00		0	0.00	0.00		0	0.00	0.00		0	0.00	0.00	
Gender																
Male	24	21.43	17.15		6	26.78	21.19		6	26.78	21.19		5	22.32	18.42	
Female	32	27.68	14.90		8	34.60	15.24		6	25.95	13.75		5	21.62	9.69	
Age																
Under 65	28	13.73	NA		1	2.45	NA		9	22.07	NA		8	19.62	NA	
65 and over	28	117.94	NA		13	273.80	NA		3	63.18	NA		2	42.12	NA	
Ethnicity														0	0.00	0.00
Hispanic	0	0.00	0.00		0	0.00	0.00		0	0.00	0.00		0	0.00	0.00	
Nonhispanic	56	24.78	15.84		14	30.98	18.37		12	26.55	16.73		10	22.13	13.83	

	1992				1993			
	Deaths	Crude Rate	Age-Adjusted*		Deaths	Crude Rate	Age-Adjusted*	
	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**
All Persons	15	31	32.95	68.09	21.65	5	16	10.98
Race								
White	15	31	33.24	68.70	21.76	5	16	11.08
Black	0	0	0.00	0.00	0	0	0	0.00
Nonwhite/black	0	0	0.00	0.00	0	0	0	0.00
Gender								
Male	4	11	17.85	49.10	13.15	3	9	13.39
Female	11	20	47.57	86.49	29.81	2	7	8.65
Age								
Under 65	9	11	22.07	26.97	NA	1	4	2.45
65 and over	6	20	126.37	421.23	NA	4	12	84.25
Ethnicity								
Hispanic	0	0	0.00	0.00	0.00	0	0.00	0.00
Nonhispanic	15	31	33.19	68.59	21.78	5	16	11.06

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics

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Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County 1989-1993

Appendix A

Harrison County

	All Years			1989			1990			1991		
	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
All Persons	22	14.72	9.64	6	20.07	14.51	3	10.04	9.29	5	16.73	9.04
Race												
White	22	14.85	9.72	6	20.26	14.65	3	10.13	9.38	5	16.88	9.12
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Gender												
Male	9	12.15	11.18	3	20.25	19.87	3	20.25	19.11	2	13.50	9.73
Female	13	17.25	7.19	3	19.90	7.48	0	0.00	0.00	3	19.90	8.28
Age												
Under 65	11	8.30	NA	2	7.55	NA	1	3.77	NA	4	15.10	NA
65 and over	11	64.78	NA	4	117.79	NA	2	58.89	NA	1	29.45	NA
Ethnicity												
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonhispanic	22	14.78	9.68	6	20.16	14.58	3	10.08	9.33	5	16.80	9.08

	1992			1993							
	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*					
All Persons	4	10	13.38	33.46	7.77	4	23	13.38	13.38	76.95	7.56
Race											
White	4	10	13.50	33.76	7.83	4	23	13.50	13.50	77.64	7.63
Black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00
Gender											
Male	0	3	0.00	20.25	0.00	1	8	6.75	53.99	7.19	
Female	4	7	26.54	46.44	14.12	3	15	19.90	99.52	6.07	
Age											
Under 65	3	4	11.32	15.10	NA	1	5	3.77	18.87	NA	
65 and over	1	6	29.45	176.68	NA	3	18	88.34	530.04	NA	
Ethnicity											
Hispanic	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	
Nonhispanic	4	10	13.44	33.60	7.80	4	23	13.44	77.27	7.59	

* Age-adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics

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Brown Research Center, Indiana University

Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Hendricks County

		1989				1990				1991			
		Deaths	Crude Rate	Age-Adjusted*									
All Persons	59	15.58	11.01	12	15.85	11.91	12	15.85	10.72	9	11.89	8.38	
Race													
White	58	15.57	10.85	12	16.10	11.99	11	14.76	9.68	9	12.08	8.42	
Black	1	29.15	30.27	0	0.00	0.00	1	145.77	151.34	0	0.00	0.00	
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Gender													
Male	25	13.11	11.40	5	13.11	10.83	6	15.73	13.78	2	5.24	4.77	
Female	34	18.09	10.74	7	18.63	13.59	6	15.97	8.21	7	18.63	10.86	
Age													
Under 65	35	10.24	NA	4	5.85	NA	10	14.63	NA	7	10.24	NA	
65 and over	24	65.30	NA	8	108.83	NA	2	27.21	NA	2	27.21	NA	
Ethnicity													
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Nonhispanic	58	15.39	10.78	12	15.92	11.94	11	14.60	9.45	9	11.94	8.40	

		1992				1993				1994			
		Deaths	Crude Rate	Age-Adjusted*									
All Persons	11	47	14.53	62.07	9.33	15	41	19.81	54.15	14.71			
Race													
White	11	46	14.76	61.74	9.37	15	41	20.13	55.02	14.79			
Black	0	1	0.00	145.77	0.00	0	0	0.00	0.00	0.00			
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00			
Gender													
Male	4	18	10.49	47.20	8.82	8	22	20.98	57.69	18.79			
Female	7	29	18.63	77.16	9.55	7	19	18.63	50.56	11.48			
Age													
Under 65	9	7	13.16	10.24	NA	5	7	7.31	10.24	NA			
65 and over	2	40	27.21	544.14	NA	10	34	136.04	462.52	NA			
Ethnicity													
Hispanic	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00			
Nonhispanic	11	47	14.60	62.36	9.36	15	41	19.90	54.40	14.74			

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics

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Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Henry County

	All Years			1989			1991			1993		
	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
All Persons	60	24.93	12.46	14	29.08	16.33	6	12.46	7.23	12	24.93	10.17
Race												
White	60	25.28	12.60	14	29.50	16.52	6	12.64	7.30	12	25.28	10.29
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Gender												
Male	24	20.76	12.51	7	30.27	21.07	2	8.65	6.28	5	21.62	11.08
Female	36	28.79	12.59	7	27.99	12.10	4	15.99	7.77	7	27.99	9.92
Age												
Under 65	29	14.14	NA	4	9.75	NA	4	9.75	NA	10	24.37	NA
65 and over	31	87.23	NA	10	140.69	NA	2	28.14	NA	2	28.14	NA
Ethnicity												
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonhispanic	60	25.04	12.50	14	29.21	16.40	6	12.52	7.26	12	25.04	10.21

	1990			1991			1993			
	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	
	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	
All Persons	11	34	22.85	70.63	12.87	17	54	35.31	112.18	15.69
Race										
White	11	34	23.18	71.63	13.03	17	54	35.82	113.77	15.87
Black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00
Gender										
Male	4	14	17.30	60.54	9.66	6	19	25.94	82.16	14.48
Female	7	20	27.99	79.96	16.25	11	35	43.98	139.93	16.92
Age										
Under 65	9	4	21.93	9.75	NA	2	10	4.87	24.37	NA
65 and over	2	30	28.14	422.06	NA	15	44	211.03	619.02	NA
Ethnicity										
Hispanic	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00
Nonhispanic	11	34	22.95	70.94	12.91	17	54	35.47	112.68	15.74

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics

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Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Howard County

		All Years			1989			1991			1993		
	Deaths	Crude Rate	Age-Adjusted*										
All Persons	89	22.02	14.41	16	19.80	12.11	13	16.08	9.46	23	28.46	18.39	
Race													
White	77	20.43	12.97	12	15.92	9.01	11	14.60	8.39	20	26.54	16.84	
Black	11	49.88	41.75	4	90.68	86.08	2	45.34	28.25	2	45.34	30.12	
Nonwhite/black	1	28.99	26.78	0	0.00	0.00	0	0.00	0.00	1	144.93	133.88	
Gender													
Male	36	18.70	14.72	5	12.99	9.92	6	15.58	12.50	9	23.37	18.04	
Female	53	25.05	14.20	11	25.99	13.36	7	16.54	6.45	14	33.08	19.37	
Age													
Under 65	48	13.45	NA	5	7.00	NA	10	14.01	NA	13	18.21	NA	
65 and over	41	86.85	NA	11	116.50	NA	3	31.77	NA	10	105.91	NA	
Ethnicity													
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Nonhispanic	89	22.31	14.52	16	20.06	12.20	13	16.30	9.54	23	28.83	18.53	

		All Years			1989			1991			1993		
	Deaths	Crude Rate	Age-Adjusted*										
All Persons	19	48	23.51	59.39	16.72		18	68	22.27	84.13	15.36		
Race													
White	17	45	22.56	59.71	15.62	17	65	22.56	86.25	15.01			
Black	2	3	45.34	68.01	41.86	1	3	22.67	68.01	22.43			
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00			
Gender													
Male	10	18	25.97	46.75	20.89	6	31	15.58	80.51	12.24			
Female	9	30	21.27	70.88	13.61	12	37	28.35	87.42	18.20			
Age													
Under 65	13	12	18.21	16.81	NA	7	14	9.81	19.61	NA			
65 and over	6	36	63.55	381.28	NA	11	54	116.50	571.91	NA			
Ethnicity													
Hispanic	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00			
Nonhispanic	19	48	23.82	60.17	16.85	18	68	22.56	85.25	15.48			

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics

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Bowen Research Center, Indiana University

Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Huntington County

		All Years			1989			1990			1991		
		Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
All Persons	34	19.19	7.77	6	16.94	7.42	6	16.94	6.98	6.98	8	22.58	9.51
Race													
White	34	19.38	7.79	6	17.10	7.45	6	17.10	7.00	7.00	8	22.80	9.54
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00
Gender													
Male	14	16.33	9.07	4	23.33	13.29	0	0.00	0.00	0.00	3	17.50	11.58
Female	20	21.88	6.82	2	10.94	3.67	6	32.82	11.18	11.18	5	27.35	7.47
Age													
Under 65	20	13.17	NA	1	3.29	NA	6	19.75	NA	NA	7	23.05	NA
65 and over	14	55.40	NA	5	98.93	NA	0	0.00	NA	NA	1	19.79	NA
Ethnicity													
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0.00	0	0.00	0.00
Nonhispanic	34	19.35	7.79	6	17.07	7.44	6	17.07	7.00	7.00	8	22.76	9.53

		1992			1993			1994		
		Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
All Persons	6	33	16.94	93.15	5.75	8	35	22.58	98.79	9.18
Race										
White	6	33	17.10	94.05	5.77	8	35	22.80	99.75	9.20
Black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00
Gender										
Male	3	15	17.50	87.49	8.76	4	16	23.33	93.33	11.70
Female	3	18	16.41	98.45	3.81	4	19	21.88	103.92	7.95
Age										
Under 65	6	5	19.75	16.46	NA	0	2	0.00	6.58	NA
65 and over	0	28	0.00	554.02	NA	8	33	158.29	652.95	NA
Ethnicity										
Hispanic	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00
Nonhispanic	6	33	17.07	93.89	5.77	8	35	22.76	99.58	9.20

* Age-adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics

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Diabetes Mortality Rates per 100,000 by Race, Gender, Age; Ethnicity and County, 1989-1993

Appendix A

Jackson County

	1989				1990				
	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted*
All Persons	57	30.21	16.27	13	34.46	20.76	6	15.90	7.67
Race									
White	57	30.50	16.38	13	34.78	20.91	6	16.05	7.72
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Gender									
Male	26	28.37	20.41	8	43.64	30.86	2	10.91	6.61
Female	31	31.96	12.19	5	25.77	12.34	4	20.62	8.41
Age									
Under 65	27	16.65	NA	3	9.25	NA	6	18.51	NA
65 and over	30	113.06	NA	10	188.43	NA	0	0.00	NA
Ethnicity									
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonhispanic	57	30.31	16.30	13	34.57	20.80	6	15.95	7.69

	1991				1992				1993			
	Deaths	Crude Rate	Age-Adjusted*	Any Cause**	Deaths	Crude Rate	Age-Adjusted*	Any Cause**	Deaths	Crude Rate	Age-Adjusted*	Any Cause**
	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**
All Persons	9	37	23.85	98.07	12.63	17	44	45.06	116.62	22.06		
Race												
White	9	37	24.08	98.99	12.70	17	44	45.48	117.71	22.22		
Black	0	0	0.00	0.00	0	0	0	0.00	0.00	0.00		
Nonwhite/black	0	0	0.00	0.00	0	0	0	0.00	0.00	0.00		
Gender												
Male	4	23	21.82	125.47	16.70	7	23	38.19	125.47	27.59		
Female	5	14	25.77	72.17	8.43	10	21	51.55	108.25	16.01		
Age												
Under 65	7	5	21.59	15.42	NA	2	5	6.17	15.42	NA		
65 and over	2	32	37.69	602.98	NA	15	39	282.65	734.88	NA		
Ethnicity												
Hispanic	0	1	0.00	819.67	0.00	0	0	0.00	0.00	0.00		
Nonhispanic	9	36	23.93	95.72	12.64	17	44	45.20	117.00	22.10		

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics

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Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Jasper County

	All Years				1989				1991			
	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
All Persons	26	20.83	12.59	6	24.04	17.79	7	28.04	10.92	2	8.01	4.95
Race												
White	26	21.04	12.64	6	24.28	17.86	7	28.32	10.93	2	8.09	4.97
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Gender												
Male	10	16.19	13.26	2	16.19	14.85	2	16.19	10.76	1	8.10	8.23
Female	16	25.38	11.34	4	31.73	19.71	5	39.66	10.02	1	7.93	1.39
Age												
Under 65	16	14.62	NA	2	9.14	NA	7	31.98	NA	1	4.57	NA
65 and over	10	65.17	NA	4	130.34	NA	0	0.00	NA	1	32.58	NA
Ethnicity												
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonhispanic	26	21.10	12.71	6	24.35	17.95	7	28.41	11.01	2	8.12	5.00

	1992				1993					
	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	
	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	
All Persons	7	14	28.04	56.09	18.69	4	7	16.03	28.04	10.61
Race										
White	7	14	28.32	56.64	18.76	4	7	16.18	28.32	10.66
Black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00
Gender										
Male	2	6	16.19	48.57	13.12	3	4	24.29	32.38	19.35
Female	5	8	39.66	63.46	22.68	1	3	7.93	23.80	2.92
Age										
Under 65	4	5	18.27	22.84	NA	2	4	9.14	18.27	NA
65 and over	3	9	97.75	293.26	NA	2	3	65.17	97.75	NA
Ethnicity										
Hispanic	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00
Nonhispanic	7	14	28.41	56.81	18.89	4	7	16.23	28.41	10.72

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics

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Brown Research Center, Indiana University

Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Jay County

		1989				1990				1991			
	All Years	Deaths	Crude Rate	Age-Adjusted*									
All Persons	30	27.89	16.70	5	23.24	10.87	6	27.89	18.74	7	32.54	23.10	
Race													
White	30	28.15	16.80	5	23.46	10.92	6	28.15	18.86	7	32.84	23.24	
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Gender													
Male	15	28.59	19.88	2	19.06	8.22	1	9.53	8.38	5	47.66	39.25	
Female	15	27.22	14.16	3	27.22	13.84	5	45.37	27.17	2	18.15	8.64	
Age													
Under 65	12	13.18	NA	0	0.00	NA	3	16.48	NA	3	16.48	NA	
65 and over	18	108.96	NA	5	151.33	NA	3	90.80	NA	4	121.07	NA	
Ethnicity													
Hispanic	1	132.45	181.25	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Nonhispanic	29	27.15	15.81	5	23.41	10.91	6	28.09	18.83	7	32.77	23.22	

		1992				1993					
	All Years	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Age-Adjusted*
All Persons	7	22	32.54	102.27	18.16	5	17	23.24	79.03	12.64	
Race											
White	7	22	32.84	103.21	18.29	5	17	23.46	79.75	12.70	
Black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	
Gender											
Male	3	9	28.59	85.78	17.38	4	9	38.12	85.78	26.16	
Female	4	13	36.30	117.97	19.88	1	8	9.07	72.60	1.28	
Age											
Under 65	5	3	27.46	16.48	NA	1	2	5.49	10.98	NA	
65 and over	2	19	60.53	575.06	NA	4	15	121.07	454.00	NA	
Ethnicity											
Hispanic	1	1	662.25	662.25	906.24	0	0	0.00	0.00	0.00	
Nonhispanic	6	21	28.09	98.31	13.39	5	17	23.41	79.58	12.69	

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics

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Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Jefferson County

		1989			1990			1991		
		Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
All Persons	26	17.45	12.53	7	23.49	20.99	2	6.71	4.56	4
Race										13.42
White	22	15.10	11.75	7	24.02	21.33	2	6.86	4.65	3
Black	3	163.93	27.16	0	0.00	0.00	0	0.00	0.00	0.00
Nonwhite/black	1	111.11	322.84	0	0.00	0.00	0	0.00	0.00	555.56
Gender										1614.20
Male	14	19.30	17.60	4	27.57	28.49	2	13.78	9.88	1
Female	12	15.70	7.30	3	19.62	13.16	0	0.00	0.00	3
Age										13.16
Under 65	16	12.42	NA	5	19.40	NA	1	3.88	NA	3
65 and over	10	49.68	NA	2	49.68	NA	1	24.84	NA	1
Ethnicity										NA
Hispanic	1	162.60	322.84	0	0.00	0.00	0	0.00	0.00	24.84
Nonhispanic	25	16.85	12.14	7	23.59	21.03	2	6.74	4.58	3

		1992			1993					
		Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
		Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**	Age-Adjusted*
All Persons	7	34	23.49	114.11	12.73	6	33	20.14	110.75	15.08
Race										
White	5	31	17.16	106.39	11.49	5	29	17.16	99.53	13.98
Black	2	3	546.45	819.67	69.25	1	4	273.22	1092.90	66.55
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00
Gender										
Male	3	15	20.68	103.38	20.28	4	15	27.57	103.38	24.63
Female	4	19	26.17	124.29	4.29	2	18	13.08	117.75	5.90
Age										
Under 65	4	6	15.52	23.28	NA	3	6	11.64	23.28	NA
65 and over	3	28	74.52	695.48	NA	3	27	74.52	670.64	NA
Ethnicity										
Hispanic	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00
Nonhispanic	7	34	23.59	114.58	12.77	6	33	20.22	111.21	15.12

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics

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Bowen Research Center, Indiana University

Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Jennings County

		All Years			1989			1990			1991		
	Deaths	Crude Rate	Age-Adjusted*										
All Persons	16	13.52	10.41	5	21.13	15.25	5	21.13	17.93	4	16.91	11.14	
Race													
White	16	13.70	10.54	5	21.40	15.44	5	21.40	18.17	4	17.12	11.26	
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Gender													
Male	4	6.83	6.01	1	8.54	6.88	2	17.07	16.28	1	8.54	6.88	
Female	12	20.09	14.27	4	33.49	23.18	3	25.12	18.68	3	25.12	14.36	
Age													
Under 65	8	0.00	NA	2	0.00	NA	4	0.00	NA	0	0.00	NA	
65 and over	8	0.00	NA	3	0.00	NA	1	0.00	NA	4	0.00	NA	
Ethnicity													
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Nonhispanic	16	13.58	10.45	5	21.21	15.30	5	21.21	18.01	4	16.97	11.17	

		All Years			1990			1991			1993		
	Deaths	Crude Rate	Age-Adjusted*										
All Persons	2	13	8.45	0.00	7.74	0	21	0.00	0.00	0	0.00	0.00	
Race													
White	2	13	8.56	0.00	7.84	0	21	0.00	0.00	0	0.00	0.00	
Black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0	0.00	0.00	
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0	0.00	0.00	
Gender													
Male	0	7	0.00	0.00	0.00	0	9	0.00	0.00	0	0.00	0.00	
Female	2	6	16.74	0.00	15.15	0	12	0.00	0.00	0	0.00	0.00	
Age													
Under 65	2	6	0.00	0.00	NA	0	2	0.00	0.00	0	0.00	NA	
65 and over	0	7	0.00	0.00	NA	0	19	0.00	0.01	0	0.00	NA	
Ethnicity													
Hispanic	0	13	0.00	0.00	0.00	0	21	0.00	0.00	0	0.00	0.00	
Nonhispanic	2	0	8.49	0.00	7.78	0	0	0.00	0.00	0	0.00	0.00	

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics

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Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Johnson County

	All Years				1989				1990				1991			
	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	*
All Persons	78	17.70	10.41	12	13.62	6.64	14	15.89	10.81	14	15.89	10.09				
Race																
White	77	17.79	10.26	12	13.86	6.69	14	16.17	10.92	14	16.17	10.17				
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00				
Nonwhite/black	1	29.72	28.73	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00				
Gender																
Male	33	15.44	12.37	5	11.70	8.76	5	11.70	10.63	10	23.39	19.18				
Female	45	19.84	8.98	7	15.43	5.37	9	19.84	10.77	4	8.82	2.97				
Age																
Under 65	15	0.00	NA	1	0.00	NA	4	0.00	NA	2	0.00	NA				
65 and over	63	0.02	NA	11	0.00	NA	10	0.00	NA	12	0.00	NA				
Ethnicity																
Hispanic	1	31.90	42.08	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00				
Nonhispanic	77	17.60	10.21	12	13.72	6.66	14	16.00	10.86	14	16.00	10.13				

	1992				1993				Crude Rate				Age-Adjusted*			
	Deaths	Crude Rate	Any Cause**	Underlying	Deaths	Crude Rate	Any Cause**	Underlying	Deaths	Crude Rate	Any Cause**	Underlying	Deaths	Crude Rate	Any Cause**	Adjusted*
All Persons	19	61	21.56	0.00	11.98	19	58	21.56	0.00	12.54						
Race																
White	18	60	20.79	0.00	10.87	19	58	21.94	0.00	12.65						
Black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00						
Nonwhite/black	1	0	148.59	0.00	143.67	0	0	0.00	0.00	0.00						
Gender																
Male	7	26	16.38	0.00	13.21	6	19	14.04	0.00	10.08						
Female	12	35	26.45	0.00	10.74	13	39	28.66	0.00	15.06						
Age																
Under 65	4	10	0.00	0.00	NA	4	10	0.00	0.00	NA						
65 and over	15	51	0.00	0.01	NA	15	48	0.00	0.01	NA						
Ethnicity																
Hispanic	1	60	159.49	0.00	210.38	0	57	0.00	0.00	0.00						
Nonhispanic	18	1	20.58	0.00	10.82	19	1	21.72	0.00	12.59						

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics

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Bowen Research Center, Indiana University

Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Knox County

	1989				1991				
	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
All Persons	35	17.55	10.60	9	22.57	13.93	3	7.52	5.77
Race									
White	35	17.88	10.71	9	22.99	14.03	3	7.66	5.81
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Gender									
Male	11	11.34	7.90	3	15.47	9.73	0	0.00	0.00
Female	24	23.42	12.54	6	29.28	17.87	3	14.64	10.35
Age									
Under 65	14	0.00	NA	4	0.00	NA	2	0.00	NA
65 and over	21	0.01	NA	5	0.00	NA	1	0.00	NA
Ethnicity									
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonhispanic	35	17.64	10.63	9	22.68	13.97	3	7.56	5.78

	1993			
	Deaths	Crude Rate	Age-Adjusted*	Deaths
	Underlying	Any Cause**	Underlying	Any Cause**
All Persons	4	20	10.03	0.00
Race				
White	4	20	10.22	0.00
Black	0	0	0.00	0.00
Nonwhite/black	0	0	0.00	0.00
Gender				
Male	2	7	10.31	0.00
Female	2	13	9.76	0.00
Age				
Under 65	2	3	0.00	0.00
65 and over	2	17	0.00	0.00
Ethnicity				
Hispanic	0	20	0.00	0.00
Nonhispanic	4	0	10.08	0.00

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics

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Bowen Research Center, Indiana University

Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Kosciusko County

		All Years			1989			1990			1991			1992			1993		
		Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
All Persons	67	20.52	12.80	9	13.78	5.82	12	18.38	12.33	17	26.04	17.55							
Race																			
White	67	20.76	12.88	9	13.95	5.85	12	18.59	12.42	17	26.34	17.66							
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00							
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00							
Gender																			
Male	26	16.26	11.76	4	12.51	7.29	5	15.63	11.60	8	25.01	20.25							
Female	41	24.62	13.71	5	15.01	4.96	7	21.01	13.07	9	27.02	14.44							
Age																			
Under 65	16	0.00	NA	1	0.00	NA	4	0.00	NA	4	0.00	NA							
65 and over	51	0.02	NA	8	0.00	NA	8	0.00	NA	13	0.00	NA							
Ethnicity																			
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00							
Nonhispanic	67	20.93	12.91	9	14.05	5.85	12	18.74	12.46	17	26.55	17.71							

		All Years			1989			1990			1991			1992			1993		
		Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
All Persons	13	39	19.91	0.00	13.31	13.31	16	45	24.50	0.00	15.00								
Race																			
White	13	39	20.14	0.00	13.41	16	45	24.79	0.00	15.08									
Black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00							
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00							
Gender																			
Male	4	22	12.51	0.00	8.91	5	15	15.63	0.00	10.75									
Female	9	17	27.02	0.00	17.36	11	30	33.02	0.00	18.71									
Age																			
Under 65	4	14	0.00	0.00	NA	3	4	0.00	0.00	NA									
65 and over	9	25	0.00	0.00	NA	13	41	0.00	0.00	0.01	NA								
Ethnicity																			
Hispanic	0	39	0.00	0.00	0.00	0	45	0.00	0.00	0.00	0.00	0.00							
Nonhispanic	13	0	20.30	0.00	13.44	16	0	24.99	0.00	15.11									

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics

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Bowen Research Center, Indiana University

Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

LaGrange County

		All Years			1989			1990			1991		
		Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
All Persons	22	14.93	9.23		6	20.35	10.51	4	13.57	7.40	4	13.57	8.10
Race													
White	22	15.03	9.28		6	20.49	10.60	4	13.66	7.44	4	13.66	8.13
Black	0	0.00	0.00		0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonwhite/black	0	0.00	0.00		0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Gender													
Male	9	12.22	10.43		2	13.58	11.66	2	13.58	10.26	1	6.79	4.29
Female	13	17.62	7.63		4	27.11	7.74	2	13.56	4.63	3	20.33	11.15
Age													
Under 65	3	0.00	NA		1	0.00	NA	0	0.00	NA	0	0.00	NA
65 and over	19	0.01	NA		5	0.00	NA	4	0.00	NA	4	0.00	NA
Ethnicity													
Hispanic	0	0.00	0.00		0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonhispanic	22	15.11	9.26		6	20.61	10.55	4	13.74	7.42	4	13.74	8.11

		All Years			1992			1993			1994		
		Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
All Persons		Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**
Race	5	11	16.96	0.00	16.15	3	12	12	10.25	0.00	4.03	0.00	3.99
White	5	11	17.08	0.00	16.20	3	0	0	0.00	0.00	0.00	0.00	0.00
Black	0	0	0.00	0.00	0.00	0	0	0	0.00	0.00	0.00	0.00	0.00
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0	0.00	0.00	0.00	0.00	0.00
Gender													
Male	3	7	20.37	0.00	22.22	1	5	6.79	0.00	3.74	0.00	4.63	
Female	2	4	13.56	0.00	10.02	2	7	13.56	0.00	NA	0.00	NA	
Age													
Under 65	2	2	0.00	0.00	NA	0	2	0.00	0.00	0.00	0.00	0.00	NA
65 and over	3	9	0.00	0.00	NA	3	10	0.00	0.00	0.00	0.00	0.00	NA
Ethnicity													
Hispanic	0	11	0.00	0.00	0.00	0	12	0.00	0.00	0.00	0.00	0.00	0.00
Nonhispanic	5	0	17.17	0.00	16.24	3	0	10.30	0.00	4.00	0.00	4.00	

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics

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Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Lake County

		Lake County						1991					
		All Years			1989			1990			1991		
		Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
All Persons	Deaths	33.85	20.87	144	30.28	19.40	142	29.86	19.28	185	38.90	23.58	
Race													
White	548	30.94	17.55	104	29.36	17.50	98	27.66	16.46	123	34.72	18.74	
Black	257	43.74	34.23	40	34.04	26.82	44	37.44	30.25	62	52.75	42.39	
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Gender													
Male	306	26.83	19.56	55	24.12	18.26	57	24.99	18.65	69	30.25	21.58	
Female	499	40.32	21.78	89	35.96	19.92	85	34.34	19.80	116	46.86	25.12	
Age													
Under 65	207	0.01	NA	45	0.00	NA	47	0.00	NA	44	0.00	NA	
65 and over	598	0.22	NA	99	0.04	NA	95	0.04	NA	141	0.05	NA	
Ethnicity													
Hispanic	62	27.85	30.53	8	17.97	18.51	8	17.97	18.92	9	20.21	23.26	
Nonhispanic	741	34.38	20.24	135	31.32	19.36	134	31.09	19.31	175	40.60	23.50	

		Lake County						1993					
		1992			1993			1993			1993		
		Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**
All Persons	166	381	34.90	0.00	21.17	168	413	35.32	0.00	20.93			
Race													
White	110	270	31.05	0.00	17.59	113	292	31.90	0.00	17.47			
Black	56	111	47.65	0.00	36.34	55	120	46.80	0.00	35.34			
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00			
Gender													
Male	57	157	24.99	0.00	17.67	68	193	29.82	0.00	21.65			
Female	109	224	44.04	0.00	24.06	100	220	40.40	0.00	20.00			
Age													
Under 65	38	90	0.00	0.00	NA	33	92	0.00	0.00	NA			
65 and over	128	291	0.00	0.00	NA	135	321	0.00	0.01	NA			
Ethnicity													
Hispanic	21	349	47.16	0.00	52.21	16	388	35.93	0.00	39.73			
Nonhispanic	145	32	33.64	0.00	19.16	152	25	35.26	0.00	19.85			

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics

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Brown Research Center, Indiana University

Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Laporte County

		All Years			1989			1990			1991		
		Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
All Persons	124	23.16	13.35	25	23.35	12.30	24	22.42	12.69	30	28.02	15.77	
Race													
White	119	24.60	13.53	25	25.84	13.05	22	22.74	12.96	29	29.97	16.02	
Black	5	10.40	11.03	0	0.00	0.00	2	20.81	12.59	1	10.40	13.45	
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Gender													
Male	52	19.09	14.10	8	14.69	10.10	10	18.36	13.82	12	22.03	14.81	
Female	72	27.38	12.41	17	32.32	14.03	14	26.62	11.54	18	34.23	16.56	
Age													
Under 65	30	0.00	NA	4	0.00	NA	5	0.00	NA	7	0.00	NA	
65 and over	94	0.03	NA	21	0.01	NA	19	0.01	NA	23	0.01	NA	
Ethnicity													
Hispanic	1	12.69	25.09	1	63.45	125.46	0	0.00	0.00	0	0.00	0.00	
Nonhispanic	122	23.13	13.09	23	21.80	10.64	24	22.75	12.78	30	28.44	15.86	

		1992			1993			1994			1995		
		Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
		Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**
All Persons	21	75	19.61	0.00	11.94	24	89	22.42	0.00	0.00	14.04	0.00	14.04
Race													
White	20	72	20.67	0.00	11.57	23	84	23.77	0.00	0.00	14.05	0.00	14.21
Black	1	3	10.40	0.00	14.91	1	5	10.40	0.00	0.00	0.00	0.00	0.00
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	0.00
Gender													
Male	11	34	20.19	0.00	15.49	11	43	20.19	0.00	0.00	16.28	0.00	11.55
Female	10	41	19.01	0.00	8.37	13	46	24.72	0.00	0.00	NA	0.00	NA
Age													
Under 65	6	16	0.00	0.00	NA	8	16	0.00	0.00	0.00	NA	0.00	NA
65 and over	15	59	0.00	0.00	NA	16	73	0.00	0.00	0.00	NA	0.00	NA
Ethnicity													
Hispanic	0	75	0.00	0.00	0.00	0	89	0.00	0.00	0.00	0.00	0.00	0.00
Nonhispanic	21	0	19.91	0.00	12.03	24	0	22.75	0.00	0.00	14.14	0.00	14.14

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics

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Appendix A

Lawrence County

		1989				1990				1991			
		Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted*
All Persons	67	31.28	15.16	9	21.01	7.50	14	32.68	16.72	13	30.35	16.11	
Race													
White	67	31.48	15.23	9	21.15	7.52	14	32.89	16.80	13	30.54	16.18	
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Gender													
Male	25	24.09	13.48	2	9.64	5.59	5	24.09	13.69	3	14.46	10.06	
Female	42	38.04	16.94	7	31.70	8.20	9	40.76	19.70	10	45.29	20.43	
Age													
Under 65	16	0.00	NA	1	0.00	NA	4	0.00	NA	5	0.00	NA	
65 and over	51	0.02	NA	8	0.00	NA	10	0.00	NA	8	0.00	NA	
Ethnicity													
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Nonhispanic	67	31.39	15.19	9	21.08	7.51	14	32.79	16.76	13	30.45	16.14	

		1992				1993					
		Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Any Cause**	Age-Adjusted*
All Persons	9	26	21.01	0.00	9.79	22	55	51.36	0.00	25.70	
Race											
White	9	26	21.15	0.00	9.85	22	55	51.69	0.00	25.82	
Black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	
Gender											
Male	10	19.27	0.00	8.35	11	25	53.00	0.00	29.72		
Female	16	22.64	0.00	12.66	11	30	49.81	0.00	23.73		
Age											
Under 65	1	3	0.00	0.00	NA	5	13	0.00	0.00	NA	
65 and over	8	23	0.00	0.00	NA	17	42	0.00	0.01	NA	
Ethnicity											
Hispanic	0	26	0.00	0.00	0.00	0	55	0.00	0.00	0.00	
Nonhispanic	9	0	21.08	0.00	9.81	22	0	51.53	0.00	25.75	

* Age-adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics

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Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Madison County

		All Years			1989			1990			1991		
		Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
All Persons	169	25.87	13.67	42	32.14	17.44	41	31.38	16.58	26	19.90	9.36	
Race													
White	154	25.66	12.60	39	32.49	16.43	35	29.16	13.44	23	19.16	8.68	
Black	15	30.28	35.25	3	30.28	35.83	6	60.55	77.40	3	30.28	31.00	
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Gender													
Male	68	21.27	14.51	14	21.89	15.46	13	20.33	14.10	13	20.33	12.64	
Female	101	30.27	12.92	28	41.96	18.89	28	41.96	18.06	13	19.48	7.16	
Age													
Under 65	42	0.00	NA	13	0.00	NA	9	0.00	NA	5	0.00	NA	
65 and over	127	0.05	NA	29	0.01	NA	32	0.01	NA	21	0.01	NA	
Ethnicity													
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Nonhispanic	169	26.04	13.73	42	32.36	17.51	41	31.59	16.65	26	20.03	9.39	

		All Years			1992			1993			1994		
		Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
All Persons	31	88	23.72	0.00	13.22	2.9	77	22.19	0.00	11.77			
Race													
White	28	81	23.33	0.00	12.11	29	76	24.16	0.00	12.33			
Black	3	7	30.28	0.00	32.01	0	1	0.00	0.00	0.00			
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00			
Gender													
Male	13	41	20.33	0.00	15.20	15	42	23.46	0.00	15.13			
Female	18	47	26.98	0.00	10.86	14	35	20.98	0.00	9.61			
Age													
Under 65	10	22	0.00	0.00	NA	5	12	0.00	0.00	NA			
65 and over	21	66	0.00	0.00	NA	24	65	0.00	0.00	NA			
Ethnicity													
Hispanic	0	88	0.00	0.00	0.00	0	77	0.00	0.00	0.00			
Nonhispanic	31	0	23.89	0.00	13.27	29	0	22.34	0.00	11.82			

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics

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Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Marion County

	All Years				1989				1990				1991			
	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted	Deaths									
All Persons	857	21.50	14.59	165	20.70	14.34	171	21.45	14.54	156	19.57	13.06				
Race																
White	550	17.81	11.33	111	17.98	11.30	126	20.40	13.13	93	15.06	9.48				
Black	306	35.95	30.06	54	31.72	28.64	45	26.43	21.55	62	36.42	29.50				
Nonwhite/black	1	2.13	3.76	0	0.00	0.00	0	0.00	0.00	1	10.64	18.81				
Gender																
Male	369	19.50	16.61	72	19.02	16.94	79	20.87	18.01	60	15.85	13.46				
Female	488	23.32	12.82	93	22.22	11.94	92	21.98	11.60	96	22.93	12.55				
Age																
Under 65	264	0.01	NA	55	0.00	NA	55	0.00	NA	43	0.00	NA				
65 and over	593	0.22	NA	110	0.04	NA	116	0.04	NA	113	0.04	NA				
Ethnicity																
Hispanic	3	7.10	8.74	0	0.00	0.00	1	11.83	19.61	1	11.83	14.54				
Nonhispanic	851	21.58	14.59	163	20.67	14.25	170	21.55	14.53	154	19.53	13.01				

	1992				1993				1993	
	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Any Cause**	Underlying
All Persons	193	550	24.21	0.00	16.11	172	485	21.58	0.00	14.90
Race										
White	118	393	19.11	0.00	11.35	102	324	16.52	0.00	11.41
Black	75	155	44.06	0.00	38.21	70	160	41.12	0.00	32.41
Nonwhite/black	0	0	0.00	0.00	0.00	0	1	0.00	0.00	0.00
Gender										
Male	82	249	21.66	0.00	17.82	76	207	20.08	0.00	16.84
Female	111	301	26.52	0.00	14.69	96	278	22.93	0.00	13.31
Age										
Under 65	56	142	0.00	0.00	NA	55	128	0.00	0.00	NA
65 and over	137	408	0.00	0.00	NA	117	357	0.00	0.00	NA
Ethnicity										
Hispanic	1	547	11.83	0.00	9.55	0	483	0.00	0.00	0.00
Nonhispanic	192	3	24.34	0.00	16.17	172	2	21.81	0.00	14.99

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics

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Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Marshall County

		1989				1990				1991			
		Deaths	Crude Rate	Age-Adjusted*									
All Persons	47	22.29	10.98		10	23.71	12.46	9	21.34	10.59	8	18.97	7.18
Race													
White	47	22.45	11.05		10	23.89	12.55	9	21.50	10.66	8	19.11	7.25
Black	0	0.00	0.00		0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonwhite/black	0	0.00	0.00		0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Gender													
Male	20	19.31	11.88		6	28.97	19.49	4	19.31	12.33	4	19.31	9.18
Female	27	25.15	10.60		4	18.63	6.41	5	23.29	9.50	4	18.63	6.74
Age													
Under 65	9	0.00	NA		2	0.00	NA	2	0.00	NA	1	0.00	NA
65 and over	38	0.01	NA		8	0.00	NA	7	0.00	NA	7	0.00	NA
Ethnicity													
Hispanic	0	0.00	0.00		0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonhispanic	47	22.73	11.06		10	24.18	12.58	9	21.76	10.67	8	19.35	7.24

		1992				1993				1994			
		Deaths	Crude Rate	Age-Adjusted*									
All Persons	5	29	11.85	0.00	6.01	15	35	35	35.56	0.00	18.64		
Race													
White	5	29	11.94	0.00	6.04	15	35	35	35.83	0.00	18.76		
Black	0	0	0.00	0.00	0.00	0	0	0	0.00	0.00	0.00		
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0	0.00	0.00	0.00		
Gender													
Male	0	8	0.00	0.00	0.00	6	12	12	28.97	0.00	18.41		
Female	5	21	23.29	0.00	10.72	9	23	23	41.92	0.00	19.64		
Age													
Under 65	1	2	0.00	0.00	NA	3	4	4	0.00	0.00	NA		
65 and over	4	27	0.00	0.00	NA	12	31	31	0.00	0.01	NA		
Ethnicity													
Hispanic	0	29	0.00	0.00	0.00	0	35	0.00	0.00	0.00	0.00		
Nonhispanic	5	0	12.09	0.00	6.05	15	0	36.27	0.00	18.77			

* Age-adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics

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Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Martin County

	All Years				1989				1990				1991			
	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted*	
All Persons	12	23.14	12.52	1	9.64	5.52	1	9.64	2.13	3	28.93	20.33				
Race																
White	12	23.24	12.56	1	9.68	5.54	1	9.68	2.13	3	29.05	20.37				
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00				
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00				
Gender																
Male	3	11.74	7.57	1	19.57	12.61	0	0.00	0.00	0	0.00	0.00				
Female	9	34.22	16.60	0	0.00	0.00	1	19.01	3.38	3	57.03	38.80				
Age																
Under 65	2	0.00	NA	0	0.00	NA	0	0.00	NA	2	0.00	NA				
65 and over	10	0.00	NA	1	0.00	NA	1	0.00	NA	1	0.00	NA				
Ethnicity																
Hispanic	1	1428.57	-	1	7142.86	-	0	0.00	0.00	0	0.00	0.00				
Nonhispanic	11	21.25	11.43	0	0.00	0.00	1	9.66	2.13	3	28.97	20.36				

	All Years				1990				1991						
	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
All Persons	2	7	19.29	0.00	9.71	5	9	48.22	0.00	24.93					
Race															
White	2	7	19.36	0.00	9.74	5	9	48.41	0.00	25.02					
Black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00					
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00					
Gender															
Male	0	2	0.00	0.00	0.00	2	4	39.15	0.00	25.22					
Female	2	5	38.02	0.00	16.87	3	5	57.03	0.00	23.93					
Age															
Under 65	0	1	0.00	0.00	NA	0	0	0.00	0.00	NA					
65 and over	2	6	0.00	0.00	NA	5	9	0.00	0.01	NA					
Ethnicity															
Hispanic	0	6	0.00	0.00	0.00	0	9	0.00	0.00	0.00					
Nonhispanic	2	1	19.31	0.00	9.71	5	0	48.29	0.00	24.93					

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics

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* Rate was undefined

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Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Miami County

		1989				1990				1991			
		Deaths	Crude Rate	Age-Adjusted*									
All Persons	32	17.34	11.69		8	21.68	14.36	9	24.39	16.82	2	5.42	4.53
Race													
White	30	17.15	10.77		8	22.87	14.77	8	22.87	14.51	2	5.72	4.71
Black	1	17.83	36.82	0	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonwhite/black	1	24.97	36.50	0	0	0.00	0.00	1	124.84	182.49	0	0.00	0.00
Gender													
Male	15	16.48	13.82	4	21.98	20.48	3	16.48	13.32	1	5.49	5.21	
Female	17	18.18	9.49	4	21.39	7.38	6	32.09	19.85	1	5.35	3.42	
Age													
Under 65	10	0.00	NA	3	0.00	NA	3	0.00	NA	1	0.00	NA	
65 and over	22	0.01	NA	5	0.00	NA	6	0.00	NA	1	0.00	NA	
Ethnicity													
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Nonhispanic	30	16.51	11.13	8	22.01	14.47	7	19.26	13.75	2	5.50	4.57	

		1992				1993					
		Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate		
		Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**	Age-Adjusted*	
All Persons	5	19	13.55	0.00	9.76	8	17	21.68	0.00	12.96	
Race											
White	4	18	11.44	0.00	6.64	8	17	22.87	0.00	13.20	
Black	1	1	89.13	0.00	184.08	0	0	0.00	0.00	0.00	
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	
Gender											
Male	3	11	16.48	0.00	13.44	4	8	21.98	0.00	16.63	
Female	2	8	10.70	0.00	6.99	4	9	21.39	0.00	9.81	
Age											
Under 65	2	4	0.00	0.00	NA	1	2	0.00	0.00	NA	
65 and over	3	15	0.00	0.00	NA	7	15	0.00	0.00	NA	
Ethnicity											
Hispanic	0	19	0.00	0.00	0.00	0	17	0.00	0.00	0.00	
Nohispanic	5	0	13.75	0.00	9.83	8	0	22.01	0.00	13.03	

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics

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Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Monroe County

	All Years			1989			1991		
	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
All Persons	72	13.21	10.22	13	11.93	10.51	13	11.93	10.82
Race									
White	72	13.96	10.42	13	12.60	10.73	13	12.60	11.10
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Gender									
Male	35	13.30	13.31	8	15.21	16.70	7	13.30	13.15
Female	37	13.13	7.77	5	8.87	5.43	6	10.65	9.76
Age									
Under 65	17	0.00	NA	5	0.00	NA	4	0.00	NA
65 and over	55	0.02	NA	8	0.00	NA	9	0.00	NA
Ethnicity									
Hispanic	1	14.63	27.67	0	0.00	0	0	0.00	1
Nonhispanic	71	13.20	10.10	13	12.08	10.58	13	12.08	10.90

	All Years			1992			1993		
	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**	Underlying
All Persons	11	36	10.09	0.00	8.29	18	51	16.52	0.00
Race									
White	11	36	10.66	0.00	8.44	18	51	17.45	0.00
Black	0	0	0.00	0.00	0.00	0	0	0.00	0.00
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00
Gender									
Male	5	17	9.50	0.00	10.83	8	20	15.21	0.00
Female	6	19	10.65	0.00	5.65	10	31	17.74	0.00
Age									
Under 65	4	8	0.00	0.00	NA	1	9	0.00	0.00
65 and over	7	28	0.00	0.00	NA	17	42	0.00	0.00
Ethnicity									
Hispanic	0	36	0.00	0.00	0.00	0	50	0.00	0.00
Nonhispanic	11	0	10.22	0.00	8.34	18	1	16.73	0.00

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics

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Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Montgomery County

		All Years				1980				1990				1991			
	Deaths	Crude Rate	Age-Adjusted*														
All Persons	37	21.49	11.59	7	20.33	13.14	5	14.52	8.91	8	23.23	11.89					
Race																	
White	37	21.75	11.65	7	20.57	13.20	5	14.69	8.95	8	23.51	11.97					
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00					
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00					
Gender																	
Male	12	14.04	9.84	5	29.24	21.62	1	5.85	4.18	3	17.54	10.18					
Female	25	28.84	12.67	2	11.54	6.27	4	23.07	12.70	5	28.84	14.06					
Age																	
Under 65	8	0.00	NA	1	0.00	NA	1	0.00	NA	3	0.00	NA					
65 and over	29	0.01	NA	6	0.00	NA	4	0.00	NA	5	0.00	NA					
Ethnicity																	
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00					
Nonhispanic	37	21.59	11.61	7	20.42	13.16	5	14.59	8.92	8	23.34	11.91					

		All Years				1990				1991				1993			
	Deaths	Crude Rate	Age-Adjusted*														
All Persons	13	37	37.75	0.00	16.70	4	33	11.62	0.00	7.31							
Race																	
White	13	37	38.20	0.00	16.78	4	32	11.76	0.00	7.35							
Black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0	0.00	0.00					
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0	0.00	0.00					
Gender																	
Male	1	12	5.85	0.00	2.77	2	16	11.70	0.00	10.46							
Female	12	25	69.22	0.00	26.48	2	17	11.54	0.00	3.83							
Age																	
Under 65	1	4	0.00	0.00	NA	2	6	0.00	0.00	NA							
65 and over	12	33	0.00	0.01	NA	2	27	0.00	0.01	NA							
Ethnicity																	
Hispanic	0	37	0.00	0.00	0.00	0	33	0.00	0.00	0.00							
Nonhispanic	13	0	37.93	0.00	16.72	4	0	11.67	0.00	7.32							

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics

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Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Morgan County

		1989				1990				1991			
		Deaths	Crude Rate	Age-Adjusted*									
All Persons	54	19.32	15.36	6	10.73	9.90	14	25.04	19.03	13	23.25	19.03	
Race													
White	53	19.04	15.05	5	8.98	8.13	14	25.14	19.09	13	23.35	19.08	
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Gender													
Male	23	16.74	14.24	2	7.28	6.90	10	36.40	29.15	3	10.92	9.55	
Female	31	21.79	16.82	4	14.06	12.59	4	14.06	12.30	10	35.15	27.61	
Age													
Under 65	26	0.00	NA	5	0.00	NA	7	0.00	NA	4	0.00	NA	
65 and over	28	0.01	NA	1	0.00	NA	7	0.00	NA	9	0.00	NA	
Ethnicity													
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Nonhispanic	54	19.39	15.40	6	10.77	9.93	14	25.14	19.07	13	23.34	19.08	

		1992				1993				1994			
		Deaths	Crude Rate	Age-Adjusted*	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Underlying	Any Cause**	Underlying	Any Cause**	Age-Adjusted*
All Persons	8	31	14.31	0.00	10.14	13	40	23.25	0.00	0.00	18.71		
Race													
White	8	31	14.37	0.00	10.17	13	40	23.35	0.00	0.00	18.76		
Black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00		
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00		
Gender													
Male	4	10	14.56	0.00	12.08	4	16	14.56	0.00	0.00	13.52		
Female	4	21	14.06	0.00	8.78	9	24	31.64	0.00	0.00	22.80		
Age													
Under 65	4	7	0.00	0.00	NA	6	11	0.00	0.00	0.00	NA		
65 and over	4	24	0.00	0.00	NA	7	29	0.00	0.01	0.01	NA		
Ethnicity													
Hispanic	0	31	0.00	0.00	0.00	0	40	0.00	0.00	0.00	0.00		
Nonhispanic	8	0	14.36	0.00	10.15	13	0	23.34	0.00	0.00	18.75		

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics

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Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Newton County

All Years			1989			1990			1991			
	Deaths	Crude Rate	Age-Adjusted*									
All Persons	20	29.52	13.43	2	14.76	7.73	4	29.52	11.96	2	14.76	11.61
Race												
White	20	29.67	13.48	2	14.84	7.76	4	29.67	12.00	2	14.84	11.66
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Gender												
Male	11	33.01	18.80	0	0.00	0.00	2	30.01	18.46	1	15.01	10.41
Female	9	26.14	9.75	2	29.04	13.54	2	29.04	6.36	1	14.52	13.47
Age												
Under 65	9	15.32	NA	0	0.00	NA	4	34.04	NA	1	8.51	NA
65 and over	11	122.15	NA	2	111.05	NA	0	0.00	NA	1	55.52	NA
Ethnicity												
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonhispanic	20	29.91	13.48	2	14.95	7.76	4	29.91	11.99	2	14.95	11.66

1992			1993		
	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate
	Underlying	Any Cause**	Underlying	Any Cause**	Underlying
All Persons	4	8	29.52	59.04	13.90
Race					
White	4	8	29.67	59.35	13.96
Black	0	0	0.00	0.00	0
Nonwhite/black	0	0	0.00	0.00	0
Gender					
Male	4	7	60.02	105.04	33.74
Female	0	1	0.00	14.52	0.00
Age					
Under 65	4	1	34.04	8.51	NA
65 and over	0	7	0.00	388.67	NA
Ethnicity					
Hispanic	0	0	0.00	0.00	0
Nonhispanic	4	8	29.91	59.82	13.95

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics.

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Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Noble County

		1989				1990				1991				1992				1993			
		Deaths	Crude Rate	Age-Adjusted*																	
All Persons	55	29.04	17.13	9	23.76	13.51	9	23.76	12.15	11	29.04	14.62									
Race																					
White	54	28.79	17.06	9	23.99	13.53	9	23.99	12.17	11	29.33	14.64									
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00									
Nonwhite/black	1	110.50	55.40	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00									
Gender																					
Male	26	27.89	21.64	6	32.18	22.15	3	16.09	11.68	4	21.46	14.82									
Female	29	30.15	13.03	3	15.60	7.19	6	31.19	11.96	7	36.39	14.40									
Age																					
Under 65	35	21.02	NA	1	3.00	NA	9	27.02	NA	10	30.03	NA									
65 and over	20	87.49	NA	8	174.98	NA	0	0.00	NA	1	21.87	NA									
Ethnicity																					
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00									
Nonhispanic	55	29.53	17.23	9	24.16	13.57	9	24.16	12.19	11	29.53	14.68									

		1990				1991				1992				1993							
		Deaths	Crude Rate	Age-Adjusted*																	
All Persons	12	25	31.68	66.00	19.89	14	32	36.96	84.48	25.48											
Race																					
White	12	24	31.99	63.99	19.94	13	31	34.66	82.65	25.00											
Black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00											
Nonwhite/black	0	1	0.00	552.49	0.00	1	1	552.49	552.49	277.00											
Gender																					
Male	6	10	32.18	53.64	25.54	7	15	37.55	80.46	34.03											
Female	6	15	31.19	77.99	14.88	7	27	36.39	140.38	16.72											
Age																					
Under 65	10	7	30.03	21.02	NA	5	8	15.01	24.02	NA											
65 and over	2	18	43.74	393.70	NA	9	24	196.85	524.93	NA											
Ethnicity																					
Hispanic	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00											
Nonhispanic	12	25	32.21	67.11	20.04	14	32	37.58	85.90	25.67											

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics.

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Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Ohio County

		All Years				1989				1991			
	Deaths	Crude Rate	Age-Adjusted*										
All Persons	4	15.05	8.48	1	18.81	7.24	1	18.81	11.99	0	0.00	0.00	
Race													
White	4	15.20	8.61	1	19.00	7.39	1	19.00	12.14	0	0.00	0.00	
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Gender													
Male	4	30.96	20.32	1	38.70	20.85	1	38.70	27.67	0	0.00	0.00	
Female	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Age													
Under 65	1	4.38	NA	0	0.00	NA	1	21.88	NA	0	0.00	NA	
65 and over	3	80.65	NA	1	134.41	NA	0	0.00	NA	0	0.00	NA	
Ethnicity													
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Nonhispanic	4	15.07	8.49	1	18.84	7.24	1	18.84	12.02	0	0.00	0.00	

		All Years				1992				1993			
	Deaths	Crude Rate	Age-Adjusted*										
All Persons	1	3	18.81	56.44	15.93	1	5	18.81	94.07	7.24			
Race													
White	1	3	19.00	56.99	16.12	1	5	19.00	94.98	7.39			
Black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00			
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00			
Gender													
Male	1	1	38.70	38.70	32.25	1	3	38.70	116.10	20.85			
Female	0	2	0.00	73.23	0.00	0	2	0.00	73.23	0.00			
Age													
Under 65	0	1	0.00	21.88	NA	0	1	0.00	21.88	NA			
65 and over	1	2	134.41	268.82	NA	1	4	134.41	537.63	NA			
Ethnicity													
Hispanic	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00			
Nonhispanic	1	3	18.84	56.52	15.96	1	5	18.84	94.20	7.24			

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics.

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Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Orange County

		1989				1990				1991			
		Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted*
All Persons	17	18.47	11.40	2	10.86	9.20	5	27.16	16.90	1	5.43	1.89	
Race													
White	17	18.72	11.52	2	11.01	9.34	5	27.53	17.06	1	5.51	1.91	
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Gender													
Male	6	13.40	8.43	0	0.00	0.00	3	33.49	19.78	0	0.00	0.00	
Female	11	23.28	14.26	2	21.16	17.67	2	21.16	15.80	1	10.58	3.09	
Age													
Under 65	6	7.69	NA	2	12.81	NA	3	19.22	NA	0	0.00	NA	
65 and over	11	78.63	NA	0	0.00	NA	2	71.48	NA	1	35.74	NA	
Ethnicity													
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Nonhispanic	17	18.53	11.41	2	10.90	9.21	5	27.25	16.92	1	5.45	1.90	

		1992				1993							
		Deaths	Crude Rate	Age-Adjusted*	Underlying	Deaths	Crude Rate	Age-Adjusted*	Underlying	Deaths	Crude Rate	Age-Adjusted*	
All Persons	4	11	21.73	59.75	17.99	5	12	27.16	65.19	11.00			
Race													
White	4	11	22.02	60.56	18.20	5	12	27.53	66.07	11.09			
Black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00			
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00			
Gender													
Male	2	6	22.33	66.99	15.67	1	5	11.16	55.82	6.72			
Female	2	5	21.16	52.90	21.09	4	7	42.32	74.06	13.64			
Age													
Under 65	1	5	6.41	32.03	NA	0	1	0.00	6.41	NA			
65 and over	3	6	107.22	214.44	NA	5	11	178.70	393.14	NA			
Ethnicity													
Hispanic	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00			
Nonhispanic	4	11	21.80	59.95	18.03	5	12	27.25	65.40	11.01			

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics.

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Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Owen County

		1989						1990						1991					
		All Years		Crude Rate		Age-Adjusted*		Deaths		Crude Rate		Age-Adjusted*		Deaths		Crude Rate		Age-Adjusted*	
All Persons	7	8.10	4.48	2	11.57	7.32	1	5.79	3.66	2	11.57	6.86							
Race																			
White	7	8.18	4.50	2	11.69	7.34	1	5.84	3.67	2	11.69	6.91							
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00							
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00							
Gender																			
Male	3	7.04	4.53	1	11.73	7.58	0	0.00	0.00	1	11.73	9.06							
Female	4	9.13	4.31	1	11.42	7.07	1	11.42	7.07	1	11.42	3.70							
Age																			
Under 65	2	2.67	NA	0	0.00	NA	1	6.68	NA	1	6.68	NA							
65 and over	5	43.33	NA	2	86.66	NA	0	0.00	NA	1	43.33	NA							
Ethnicity																			
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00							
Nonhispanic	7	8.13	4.50	2	11.61	7.34	1	5.81	3.67	2	11.61	6.89							

		1992						1993					
		Deaths		Crude Rate		Age-Adjusted*		Deaths		Crude Rate		Age-Adjusted*	
		Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**
All Persons	0	7	0.00	40.51	0.00	2	3	11.57	11.57	17.36	17.36	4.58	
Race													
White	0	7	0.00	40.91	0.00	2	3	11.69	11.69	17.53	17.53	4.59	
Black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	
Gender													
Male	0	5	0.00	58.67	0.00	1	2	11.73	11.73	23.47	23.47	6.01	
Female	0	2	0.00	22.83	0.00	1	1	11.42	11.42	11.42	11.42	3.70	
Age													
Under 65	0	2	0.00	13.36	NA	0	0	0.00	0.00	0.00	0.00	NA	
65 and over	0	5	0.00	216.64	NA	2	3	86.66	86.66	129.98	129.98	NA	
Ethnicity													
Hispanic	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00	
Nonhispanic	0	7	0.00	40.64	0.00	2	3	11.61	11.61	17.42	17.42	4.60	

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics.

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Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Parke County

All Years				1989				1990				1991				
	Deaths	Crude Rate	Age-Adjusted*		Deaths	Crude Rate	Age-Adjusted		Deaths	Crude Rate	Age-Adjusted		Deaths	Crude Rate	Age-Adjusted*	
All Persons	20	25.96	12.75	5	32.45	16.64	4	25.96	14.54	4	25.96	4	25.96	4	25.96	
Race																
White	20	26.25	12.81	5	32.81	16.72	4	26.25	14.60	4	26.25	4	26.25	4	26.25	
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0	0.00	0	0.00	
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0	0.00	0	0.00	
Gender																
Male	8	21.51	13.00	4	53.77	33.46	0	0.00	0.00	1	13.44	5.32				
Female	12	30.11	12.40	1	12.55	3.47	4	50.18	26.69	3	37.64	12.12				
Age																
Under 65	9	13.88	NA	2	15.42	NA	2	15.42	NA	3	23.13	NA				
65 and over	11	90.69	NA	3	122.85	NA	2	81.90	NA	1	40.95	NA				
Ethnicity																
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00				
Nonhispanic	20	26.12	12.78	5	32.65	16.69	4	26.12	14.58	4	26.12	4	26.12	4	26.12	

All Years				1992				1993								
	Deaths	Crude Rate	Age-Adjusted*		Deaths	Crude Rate	Age-Adjusted*		Deaths	Crude Rate	Age-Adjusted*					
All Persons	4	16	25.96	103.83	14.08	3	7	19.47	45.43	45.43	9.30					
Race																
White	4	16	26.25	105.01	14.14	3	7	19.69	45.94	45.94	9.36					
Black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00					
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00					
Gender																
Male	1	5	13.44	67.21	10.48	2	3	26.89	40.33	40.33	15.75					
Female	3	11	37.64	138.00	16.27	1	4	12.55	50.18	50.18	3.47					
Age																
Under 65	2	2	15.42	15.42	NA	0	0	0.00	0.00	0.00	NA					
65 and over	2	14	81.90	573.30	NA	3	7	122.85	286.65	286.65	NA					
Ethnicity																
Hispanic	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00					
Nonhispanic	4	16	26.12	104.47	14.10	3	7	19.59	45.71	45.71	9.33					

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics.

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Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Perry County

		All Years			1989			1990			1991		
		Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
All Persons	17	17.79	8.94	1	5.23	3.06	5	26.17	12.36	3	15.70	6.92	
Race													
White	17	18.08	8.99	1	5.32	3.06	5	26.58	12.38	3	15.95	6.93	
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Gender													
Male	6	12.44	8.69	0	0.00	0.00	1	10.36	5.03	1	10.36	5.03	
Female	11	23.26	8.24	1	10.57	5.43	4	42.29	17.84	2	21.15	8.56	
Age													
Under 65	7	8.58	NA	0	0.00	NA	4	24.52	NA	2	12.26	NA	
65 and over	10	71.66	NA	1	35.83	NA	1	35.83	NA	1	35.83	NA	
Ethnicity													
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Nonhispanic	17	17.86	8.96	1	5.25	3.06	5	26.26	12.38	3	15.76	6.93	

		All Years			1990			1991			1992		
		Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
All Persons		Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**
Race	3	14	15.70	73.27	11.32	5	10	26.17	52.34	52.34	52.34	52.34	52.34
White	3	14	15.95	74.43	11.54	5	10	26.58	53.16	53.16	53.16	53.16	53.16
Black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0	0.00	0.00	0.00
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0	0.00	0.00	0.00
Gender													
Male	2	4	20.73	41.46	19.39	2	5	20.73	51.82	51.82	51.82	51.82	14.00
Female	1	10	10.57	105.73	1.32	3	5	31.72	52.87	52.87	52.87	52.87	8.07
Age													
Under 65	1	2	6.13	12.26	NA	0	2	0.00	12.26	NA	12.26	NA	NA
65 and over	2	12	71.66	429.95	NA	5	8	179.15	286.64	286.64	286.64	286.64	NA
Ethnicity													
Hispanic	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0	0.00	0.00	0.00
Nonhispanic	3	14	15.76	73.53	11.35	5	10	26.26	52.52	52.52	52.52	52.52	11.07

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics.

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Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Pike County

	1989						1991					
	Deaths	Crude Rate	Age-Adjusted*									
All Persons	14	22.38	8.49	2	15.99	10.33	6	47.97	20.44	2	15.99	2.72
Race												
White	14	22.46	8.50	2	16.05	10.36	6	48.14	20.47	2	16.05	2.72
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Gender												
Male	6	19.49	10.11	1	16.24	15.18	2	32.49	20.95	1	16.24	3.90
Female	8	25.18	6.56	1	15.74	4.11	4	62.96	18.37	1	15.74	2.08
Age												
Under 65	8	15.18	NA	1	9.49	NA	5	47.43	NA	0	0.00	NA
65 and over	6	61.01	NA	1	50.84	NA	1	50.84	NA	2	101.68	NA
Ethnicity												
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonhispanic	14	22.46	8.51	2	16.04	10.36	6	48.12	20.49	2	16.04	2.72

	1992						1993					
	Deaths	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**	Deaths	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**
All Persons	2	9	15.99	71.95	5.07	2	8	15.99	63.95	3.89	3.89	3.89
Race												
White	2	9	16.05	72.21	5.07	2	8	16.05	64.18	3.89	3.89	3.89
Black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00
Gender												
Male	1	3	16.24	48.73	6.60	1	3	16.24	48.73	3.90	3.90	3.90
Female	1	6	15.74	94.44	4.11	1	5	15.74	78.70	4.11	4.11	4.11
Age												
Under 65	2	2	18.97	18.97	NA	0	1	0.00	9.49	NA	NA	NA
65 and over	0	7	0.00	355.87	NA	2	7	101.68	355.87	NA	NA	NA
Ethnicity												
Hispanic	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00
Nonhispanic	2	9	16.04	72.18	5.07	2	8	16.04	64.16	3.89	3.89	3.89

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics.

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Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Porter County

	All Years			1989			1990			1991		
	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted*
All Persons	115	17.84	13.46	20	15.51	11.72	20	15.51	12.07	33	25.59	20.38
Race												
White	114	18.03	13.47	20	15.81	11.81	20	15.81	12.15	33	26.09	20.55
Black	1	43.29	173.03	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Gender												
Male	47	14.89	13.11	9	14.25	11.76	9	14.25	12.93	10	15.84	14.19
Female	68	20.67	13.71	11	16.72	12.06	11	16.72	11.32	23	34.96	26.06
Age												
Under 65	61	10.50	NA	7	6.02	NA	15	12.90	NA	19	16.35	NA
65 and over	54	85.09	NA	13	102.42	NA	5	39.39	NA	14	110.30	NA
Ethnicity												
Hispanic	2	10.37	18.37	1	25.92	46.76	0	0.00	0.00	1	25.92	45.11
Nonhispanic	113	18.07	13.42	19	15.19	11.44	20	15.99	12.25	32	25.58	19.93

	1992			1993								
	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*						
All Persons	17	64	13.19	49.64	9.02	25	83	19.39	64.38	14.12		
Race												
White	16	63	12.65	49.81	8.62	25	82	19.77	64.84	14.22		
Black	1	1	216.45	216.45	865.15	0	0	0.00	0.00	0.00		
Nonwhite/black	0	0	0.00	0.00	0.00	0	1	0.00	83.40	0.00		
Gender												
Male	7	32	11.08	50.67	9.98	12	36	19.00	57.01	16.69		
Female	10	32	15.20	48.65	7.27	13	47	19.76	71.45	11.84		
Age												
Under 65	14	10	12.04	8.60	NA	6	16	5.16	13.76	NA		
65 and over	3	54	23.64	425.43	NA	19	67	149.69	527.85	NA		
Ethnicity												
Hispanic	0	0	0.00	0.00	0.00	0	1	0.00	25.92	0.00		
Nonhispanic	17	64	13.59	51.17	9.15	25	82	19.99	65.56	14.35		

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics.

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Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Posey County

		All Years				1989				1990			
		Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted*
All Persons	14	10.78	6.53	2	7.70	6.32	2	7.70	3.35	3	11.55	6.93	
Race													
White	13	10.14	6.04	1	3.90	3.61	2	7.80	3.39	3	11.70	7.00	
Black	1	70.42	96.85	1	352.11	484.26	0	0.00	0.00	0	0.00	0.00	
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Gender													
Male	6	9.35	6.35	1	7.79	7.41	1	7.79	4.13	0	0.00	0.00	
Female	8	12.19	6.61	1	7.62	4.95	1	7.62	2.82	3	22.85	12.56	
Age													
Under 65	9	7.87	NA	1	4.37	NA	2	8.75	NA	2	8.75	NA	
65 and over	5	32.25	NA	1	32.25	NA	0	0.00	NA	1	32.25	NA	
Ethnicity													
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Nonhispanic	14	10.83	6.55	2	7.73	6.33	2	7.73	3.36	3	11.60	6.94	

		All Years				1992				1993			
		Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
All Persons	5	21	19.25	80.87	12.41	2	4	7.70	15.40	3.65			
Race													
White	5	21	19.50	81.92	12.52	2	4	7.80	15.60	3.68			
Black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00			
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00			
Gender													
Male	3	11	23.37	85.68	17.67	1	1	7.79	7.79	2.56			
Female	2	10	15.23	76.17	7.77	1	3	7.62	22.85	4.95			
Age													
Under 65	4	3	17.49	13.12	NA	0	1	0.00	4.37	NA			
65 and over	1	18	32.25	580.46	NA	2	3	64.50	96.74	NA			
Ethnicity													
Hispanic	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00			
Nonhispanic	5	21	19.33	81.19	12.43	2	4	7.73	15.47	3.67			

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetics was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics.

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Appendix A
Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Pulaski County

			1989			1990			1991			
All Vital Statistics			Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	
All Persons	14	22.15	12.20	1	7.91	2.70	1	7.91	6.66	4	31.64	17.45
Race												
White	14	22.38	12.32	1	7.99	2.74	1	7.99	6.73	4	31.97	17.64
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Gender												
Male	5	16.06	9.63	0	0.00	0.00	0	0.00	0.00	1	16.06	13.87
Female	9	28.05	14.89	1	15.59	4.54	1	15.59	12.81	3	46.76	19.33
Age												
Under 65	5	9.38	NA	0	0.00	NA	0	0.00	NA	2	18.75	NA
65 and over	9	91.05	NA	1	50.58	NA	1	50.58	NA	2	101.16	NA
Ethnicity												
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonhispanic	14	22.33	12.24	1	7.98	2.70	1	7.98	6.69	4	31.91	17.51

			1992			1993			1994		
All Vital Statistics			Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**
All Persons	2	7	15.82	55.37	10.97	6	11	47.46	87.00	23.20	23.20
Race											
White	2	7	15.99	55.95	11.07	6	11	47.96	87.92	23.43	23.43
Black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00
Gender											
Male	1	4	16.06	64.24	9.96	3	6	48.18	96.35	24.32	24.95
Female	1	3	15.59	46.76	12.81	3	5	46.76	77.93	24.95	24.95
Age											
Under 65	1	2	9.38	18.75	NA	2	4	18.75	37.50	NA	NA
65 and over	1	5	50.58	252.91	NA	4	7	202.33	354.07	NA	NA
Ethnicity											
Hispanic	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00
Nonhispanic	2	7	15.95	55.83	11.02	6	11	47.86	87.74	23.28	23.28

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics.

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Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Putnam County

		All Years				1989				1990				1991			
		Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	
All Persons	29	19.13	10.22	5	16.49	9.25	11	36.29	21.88	6	19.79	9.26					
Race																	
White	29	19.82	10.36	5	17.09	9.35	11	37.60	22.26	6	20.51	9.34					
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00					
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00					
Gender																	
Male	9	11.57	7.97	0	0.00	0.00	3	19.29	15.96	3	19.29	11.02					
Female	20	27.10	11.37	5	33.88	16.37	8	34.20	24.01	3	20.33	8.40					
Age																	
Under 65	19	14.36	NA	1	3.78	NA	10	37.79	NA	6	22.67	NA					
65 and over	10	51.92	NA	4	103.84	NA	1	25.96	NA	0	0.00	NA					
Ethnicity																	
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00					
Nonhispanic	29	19.25	10.24	5	16.59	9.26	11	36.50	21.94	6	19.91	9.28					

		All Years				1992				1993						
		Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
All Persons	3	16	9.90	52.78	6.53	4	23	13.19	75.87	4.18						
Race																
White	3	15	10.25	51.27	6.61	4	23	13.67	78.61	4.22						
Black	0	1	0.00	120.05	0.00	0	0	0.00	0.00	0.00						
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00						
Gender																
Male	2	4	12.86	25.71	10.65	1	13	6.43	83.57	2.20						
Female	1	12	6.78	81.31	2.09	3	10	20.33	67.76	5.99						
Age																
Under 65	2	4	7.56	15.12	NA	0	1	0.00	3.78	NA						
65 and over	1	12	25.96	311.53	NA	4	22	103.84	571.13	NA						
Ethnicity																
Hispanic	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00						
Nonhispanic	3	16	9.96	53.10	6.54	4	23	13.27	76.33	4.19						

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics.

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Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Randolph County

	All Years			1989			1990			1991		
	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted*
All Persons	34	25.05	11.04	6	22.10	8.72	9	33.15	13.54	6	22.10	14.50
Race												
White	34	25.14	11.11	6	22.18	8.78	9	33.28	13.63	6	22.18	14.57
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Gender												
Male	12	18.28	8.94	1	7.61	2.15	3	22.84	11.57	4	30.46	19.04
Female	22	31.39	12.98	5	35.67	14.05	6	42.81	14.93	2	14.27	11.50
Age												
Under 65	20	17.41	NA	1	4.35	NA	9	39.18	NA	3	13.06	NA
65 and over	14	67.05	NA	5	119.73	NA	0	0.00	NA	3	71.84	NA
Ethnicity												
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonhispanic	34	25.23	11.07	6	22.26	8.75	9	33.39	13.59	6	22.26	14.55

	1992			1993			1994			
	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	
All Persons	7	28	25.78	103.14	9.12	6	18	22.10	66.30	9.30
Race										
White	7	28	25.88	103.52	9.19	6	18	22.18	66.55	9.36
Black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00
Gender										
Male	2	12	15.23	91.38	6.54	2	6	15.23	45.69	5.42
Female	5	16	35.67	114.16	11.30	4	12	28.54	85.62	13.11
Age										
Under 65	6	5	26.12	21.77	NA	1	2	4.35	8.71	NA
65 and over	1	23	23.95	550.77	NA	5	16	119.73	383.14	NA
Ethnicity										
Hispanic	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00
Nonhispanic	7	28	25.97	103.87	9.14	6	18	22.26	66.78	9.33

* Age adjusted rates were based on diabetes as the underlying cause of death.

**Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Ripley County

All Years			1989			1990			1991			
	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted*
All Persons	29	23.56	9.33	5	20.31	4.11	7	28.44	14.02	10	40.62	15.11
Race												
White	29	23.66	9.37	5	20.40	4.13	7	28.55	14.07	10	40.79	15.15
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Gender												
Male	9	14.93	6.86	2	16.59	4.29	3	24.88	15.23	4	33.18	14.79
Female	20	31.85	11.51	3	23.89	4.29	4	31.85	12.92	6	47.77	15.94
Age												
Under 65	19	17.98	NA	0	0.00	NA	7	33.12	NA	9	42.59	NA
65 and over	10	57.44	NA	5	143.60	NA	0	0.00	NA	1	28.72	NA
Ethnicity												
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonhispanic	29	23.62	9.36	5	20.36	4.12	7	28.51	14.06	10	40.73	15.14

1992			1993			
	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
All Persons	2	9	8.12	36.56	5.24	5
Underlying						
Any Cause**						
Race						
White	2	9	8.16	36.71	5.26	5
Black	0	0	0.00	0.00	0.00	0
Nonwhite/black	0	0	0.00	0.00	0.00	0
Gender						
Male	0	4	0.00	33.18	0.00	0
Female	2	5	15.92	39.81	9.61	5
Age						
Under 65	2	1	9.46	4.73	NA	1
65 and over	0	8	0.00	229.75	NA	4
Ethnicity						
Hispanic	0	0	0.00	0.00	0.00	0
Nonhispanic	2	9	8.15	36.65	5.26	5

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Rush County

All Years			1989			1990			1991			
	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted*
All Persons	29	31.99	13.70	7	38.61	15.23	6	33.10	10.03	6	33.10	20.28
Race												
White	29	32.34	13.87	7	39.03	15.44	6	33.45	10.17	6	33.45	20.48
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Gender												
Male	9	20.51	10.57	1	11.39	5.10	1	11.39	3.96	2	22.78	15.24
Female	20	42.78	16.39	6	64.16	22.46	5	53.47	14.72	4	42.78	24.63
Age												
Under 65	14	18.11	NA	0	0.00	NA	5	32.34	NA	3	19.40	NA
65 and over	15	112.49	NA	7	262.47	NA	1	37.50	NA	3	112.49	NA
Ethnicity												
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nohispanic	29	32.10	13.73	7	38.74	15.27	6	33.21	10.05	6	33.21	20.35

1992			1993			
	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
All Persons	6	14	33.10	77.22	12.59	4
Underlying						13
Any Cause**						22.06
Underlying						71.71
Any Cause**						10.36

All Years			1989			1990			1991			
	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted*
All Persons	6	14	33.10	77.22	12.59	4						
Race												
White	6	14	33.45	78.06	12.76	4	11	22.30	61.33	10	50	
Black	0	0	0.00	0.00	0.00	0	2	0.00	1398.60	0	0.00	
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0	0.00	
Gender												
Male	2	7	22.78	79.74	11.16	3	6	34.18	68.35	17	41	
Female	4	7	42.78	74.86	14.26	1	7	10.69	74.86	5	86	
Age												
Under 65	6	0	38.80	0.00	NA	0	2	0.00	12.93	NA	NA	
65 and over	0	14	0.00	524.93	NA	4	11	149.98	412.45	NA	NA	
Ethnicity												
Hispanic	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0	0.00	
Nohispanic	6	14	33.21	77.49	12.60	4	13	22.14	71.95	10	39	

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics.

Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

St. Joseph County

		1989			1990			1991		
		All Years	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted
All Persons	325	26.31	14.42		57	23.07	13.91	62	25.10	13.74
Race										
White	288	26.48	13.87	48	22.07	12.51	57	26.21	14.05	63
Black	37	30.42	24.10	9	36.99	33.87	5	20.55	12.96	6
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0
Gender										
Male	121	20.33	14.45	25	21.00	17.25	24	20.16	13.75	24
Female	204	31.87	14.15	32	25.00	10.49	38	29.68	13.67	45
Age										
Under 65	184	17.34	NA	16	7.54	NA	48	22.62	NA	56
65 and over	141	80.88	NA	41	117.59	NA	14	40.15	NA	13
Ethnicity										
Hispanic	1	3.85	8.97	0	0.00	0.00	0	0.00	0.00	0.00
Nonhispanic	324	26.79	14.50	57	23.57	14.04	62	25.64	13.86	69
1992										
		1992			1993			1994		
		Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
All Persons		63	210	25.50	85.00	13.43	74	214	29.95	86.62
Race										
White	54	182	24.83	83.68	12.69	66	191	30.34	87.82	14.97
Black	9	28	36.99	115.09	26.50	8	22	32.88	90.43	29.39
Nonwhite/black	0	0	0.00	0.00	0.00	0	1	0.00	29.24	0.00
Gender										
Male	16	81	13.44	68.05	8.82	32	94	26.88	78.97	19.02
Female	47	129	36.71	100.76	16.96	42	120	32.81	93.73	13.00
Age										
Under 65	52	27	24.51	12.72	NA	12	39	5.66	18.38	NA
65 and over	11	183	31.55	524.87	NA	62	175	177.82	501.92	NA
Ethnicity										
Hispanic	1	1	19.23	19.23	44.84	0	0	0.00	0.00	0.00
Nonhispanic	62	209	25.64	86.42	13.30	74	214	30.60	88.48	16.00

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics.

Diabetes Mortality Rates per 100,000 by Race, Age, Ethnicity, and County 1989-1993

Scott County

All Persons			1989			1990			1991			
Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted*	
All Persons	20	19.06	13.60	3	14.29	11.44	3	14.29	10.06	5	23.82	17.14
Race												
White	20	19.19	13.69	3	14.39	11.50	3	14.39	10.12	5	23.99	17.22
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Gender												
Male	10	19.63	15.54	2	19.63	14.61	1	9.81	8.39	3	29.44	24.37
Female	10	18.52	12.24	1	9.26	9.83	2	18.52	12.14	2	18.52	10.47
Age												
Under 65	10	10.81	NA	2	10.81	NA	2	10.81	NA	2	10.81	NA
65 and over	10	80.22	NA	1	40.11	NA	1	40.11	NA	3	120.34	NA
Ethnicity												
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonhispanic	20	19.19	13.68	3	14.39	11.50	3	14.39	10.11	5	23.99	17.24

All Persons			1992			1993		
Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
All Persons	4	8	19.06	38.11	12.18	5	10	23.82
Underlying Any Cause**			Underlying Any Cause**			Underlying Any Cause**		
Race								
White	4	8	19.19	38.39	12.27	5	10	23.99
Black	0	0	0.00	0.00	0.00	0	0	0.00
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00
Gender								
Male	1	4	9.81	39.26	9.16	3	5	29.44
Female	3	4	27.77	37.03	13.76	2	5	49.07
Age								
Under 65	2	5	10.81	27.03	NA	2	4	10.81
65 and over	2	3	80.22	120.34	NA	3	6	21.62
Ethnicity								
Hispanic	0	0	0.00	0.00	0.00	0	0	0.00
Nonhispanic	4	8	19.19	38.38	12.26	5	10	23.99

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Diabetes Mortality Rates per 100,000 by Race, Age, Ethnicity, and County 1989-1993

Appendix A

Shelby County

All Persons			1989			1990			1991		
	Deaths	Crude Rate	Age-Adjusted		Deaths	Crude Rate	Age-Adjusted		Deaths	Crude Rate	Age-Adjusted*
Race											
White	31	15.63	9.07		3	7.56	2.83		4	10.08	5.51
Black	2	120.85	39.37		0	0.00	0.00		1	302.11	157.30
Nonwhite/black	0	0.00	0.00		0	0.00	0.00		0	0.00	0.00
Gender											
Male	12	12.26	9.38		0	0.00	0.00		2	10.22	8.36
Female	21	20.26	8.71		3	14.47	4.45		3	14.47	4.18
Age											
Under 65	17	9.61	NA		0	0.00	NA		4	11.31	NA
65 and over	16	64.91	NA		3	60.85	NA		1	20.28	NA
Ethnicity											
Hispanic	0	0.00	0.00		0	0.00	0.00		0	0.00	0.00
Nonhispanic	32	15.92	9.20		3	7.46	2.80		4	9.95	6.00
1992											
All Persons			Crude Rate			Deaths			Crude Rate		
	Underlying	Any Cause**	Underlying	Any Cause**	Adjusted*		Underlying	Any Cause**		Underlying	Any Cause**
Race											
White	5	22	12.60	55.45	9.57	7	33	17.64	83.18	11.01	
Black	0	2	0.00	604.23	0.00	1	1	302.11	302.11	39.57	
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	
Gender											
Male	2	10	10.22	51.08	7.56	4	15	20.43	76.62	14.81	
Female	3	14	14.47	67.54	11.90	4	19	19.30	91.66	8.55	
Age											
Under 65	2	6	5.65	16.96	NA	1	6	2.83	16.96	NA	
65 and over	3	18	60.85	365.11	NA	7	28	141.99	567.95	NA	
Ethnicity											
Hispanic	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	
Nonhispanic	5	24	12.44	59.72	9.48	8	34	19.91	84.60	11.44	
1993											
All Persons			Crude Rate			Deaths			Crude Rate		
	Underlying	Any Cause**	Underlying	Any Cause**	Adjusted*		Underlying	Any Cause**		Underlying	Any Cause**
Race											
White	5	24	12.40	59.54	9.46	8	34	19.85	84.35	11.41	
Black	0	2	0.00	604.23	0.00	1	1	302.11	302.11	39.57	
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	
Gender											
Male	2	10	10.22	51.08	7.56	4	15	20.43	76.62	14.81	
Female	3	14	14.47	67.54	11.90	4	19	19.30	91.66	8.55	
Age											
Under 65	2	6	5.65	16.96	NA	1	6	2.83	16.96	NA	
65 and over	3	18	60.85	365.11	NA	7	28	141.99	567.95	NA	
Ethnicity											
Hispanic	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	
Nonhispanic	5	24	12.44	59.72	9.48	8	34	19.91	84.60	11.44	

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics.

Diabetes Mortality Rates per 100,000 by Race, Age, Ethnicity, and County 1989-1993

Appendix A

Spencer County

All Years			1989			1990			1991			
	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted*
All Persons	34	34.89	18.67	5	25.65	12.91	5	25.65	16.59	10	51.31	29.48
Race												
White	34	35.39	18.82	5	26.02	12.99	5	26.02	16.74	10	52.05	29.72
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Gender												
Male	15	30.81	20.39	3	30.81	16.95	4	41.08	31.20	4	41.08	35.67
Female	19	38.97	16.84	2	20.51	9.78	1	10.25	3.57	6	61.53	21.98
Age												
Under 65	19	22.42	NA	0	0.00	NA	3	17.70	NA	8	47.21	NA
65 and over	15	117.92	NA	5	196.54	NA	2	78.62	NA	2	78.62	NA
Ethnicity												
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonhispanic	34	35.05	18.77	5	25.77	12.98	5	25.77	16.66	10	51.54	29.62

1992			1993		
	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate
All Persons	7	15	35.92	76.96	14.89
Underlying					
Any Cause**	7	19	35.92	97.49	19.49
Race					
White	7	15	36.43	78.07	15.01
Black	0	0	0.00	0.00	0
Nonwhite/black	0	0	0.00	0.00	0
Gender					
Male	2	6	20.54	61.61	5.83
Female	5	9	51.27	92.29	23.12
Age					
Under 65	7	1	41.31	5.90	NA
65 and over	0	14	0.00	550.31	NA
Ethnicity					
Hispanic	0	0	0.00	0.00	0
Nonhispanic	7	15	36.08	77.32	14.98

* Age adjusted rates were based on diabetes as the underlying cause of death.

**Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics.

Diabetes Mortality Rates per 100,000 by Race, Age, Ethnicity, and County 1989-1993

Appendix A

Starke County

		All Years			1989			1990			1991		
		Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted*
All Persons	10	8.79	5.47		3	13.19	10.07	1	4.40	1.60	3	13.19	7.90
Race													
White	10	8.89	5.51		3	13.33	10.16	1	4.44	1.61	3	13.33	7.95
Black	0	0.00	0.00		0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonwhite/black	0	0.00	0.00		0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Gender													
Male	5	8.93	5.76		2	17.85	11.41	1	8.93	3.75	2	17.85	13.62
Female	5	8.66	5.28		1	8.66	9.88	0	0.00	0.00	1	8.66	2.79
Age													
Under 65	6	6.16	NA		2	10.27	NA	1	5.14	NA	2	10.27	NA
65 and over	4	24.43	NA		1	30.53	NA	0	0.00	NA	1	30.53	NA
Ethnicity													
Hispanic	0	0.00	0.00		0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonhispanic	10	8.94	5.52		3	13.40	10.24	1	4.47	1.61	3	13.40	7.95

		All Years			1992			1993					
		Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted*
All Persons	1	14	4.40	61.55	2.59			2	22	8.79	96.72	5.18	
Race													
White	1	14	4.44	62.21	2.60			2	21	8.89	93.31	5.21	
Black	0	0	0.00	0.00	0.00			0	1	0.00	1351.35	0.00	
Nonwhite/black	0	0	0.00	0.00	0.00			0	0	0.00	0.00	0.00	
Gender													
Male	0	7	0.00	62.48	0.00			0	13	0.00	116.04	0.00	
Female	1	7	8.66	60.64	4.58			2	9	17.33	77.96	9.15	
Age													
Under 65	1	3	5.14	15.41	NA			0	7	0.00	35.95	NA	
65 and over	0	11	0.00	335.88	NA			2	15	61.07	458.02	NA	
Ethnicity													
Hispanic	0	0	0.00	0.00	0.00			0	0	0.00	0.00	0.00	
Nonhispanic	1	14	4.47	62.56	2.60			2	22	8.94	98.30	5.19	

* Age adjusted rates were based on diabetes as the underlying cause of death.

**Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics.

Diabetes Mortality Rates per 100,000 by Race, Age, Ethnicity, and County 1989-1993

Steuben County

All Years				1989			1990			1991		
	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted*
All Persons	15	10.93	6.93	5	18.22	7.15	2	7.29	5.47	0	0.00	0.00
Race												
White	15	11.02	6.98	5	18.37	7.18	2	7.35	5.50	0	0.00	0.00
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Gender												
Male	6	8.77	6.55	2	14.61	8.14	1	7.30	6.57	0	0.00	0.00
Female	9	13.09	7.41	3	21.81	6.52	1	7.27	4.09	0	0.00	0.00
Age												
Under 65	4	3.35	NA	0	0.00	NA	1	4.19	NA	0	0.00	NA
65 and over	11	61.30	NA	5	139.31	NA	1	27.86	NA	0	0.00	NA
Ethnicity												
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonhispanic	15	11.01	6.96	5	18.35	7.18	2	7.34	5.49	0	0.00	0.00

All Years				1992			1993					
	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*			
All Persons	1	13	3.64	47.37	3.83	7	19	25.50	69.23	18.21		
Race												
White	1	13	3.67	47.76	3.87	7	19	25.72	69.81	18.34		
Black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00		
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00		
Gender												
Male	0	4	0.00	29.22	0.00	3	6	21.91	43.83	18.02		
Female	1	9	7.27	65.43	7.63	4	13	29.08	94.50	18.79		
Age												
Under 65	0	4	0.00	16.77	NA	3	4	12.57	16.77	NA		
65 and over	1	9	27.86	250.77	NA	4	15	111.45	417.94	NA		
Ethnicity												
Hispanic	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00		
Nonhispanic	1	13	3.67	47.70	3.86	7	19	25.69	69.72	18.29		

*Age adjusted rates were based on diabetes as the underlying cause of death.

**Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics.

Diabetes Mortality Rates per 100,000 by Race, Age, Ethnicity, and County 1989-1993

Appendix A

Sullivan County

	All Years			1989			1990			1991		
	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted*
All Persons	32	33.70	13.60	8	42.12	16.50	9	47.39	17.15	6	31.59	16.86
Race												
White	32	33.98	13.65	8	42.47	16.56	9	47.78	17.22	6	31.85	16.90
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Gender												
Male	7	15.48	7.15	1	11.06	6.21	1	11.06	4.24	1	11.06	6.21
Female	25	50.26	18.54	7	70.37	23.43	8	80.42	26.34	5	50.26	26.08
Age												
Under 65	16	20.52	NA	1	6.41	NA	8	51.29	NA	4	25.64	NA
65 and over	16	94.26	NA	7	206.19	NA	1	29.46	NA	2	58.91	NA
Ethnicity												
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonhispanic	32	33.80	13.63	8	42.25	16.54	9	47.53	17.20	6	31.69	16.88

	1990			1991		
	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
All Persons	2	14	10.53	7	14	36.86
Race						
White	2	14	10.62	7	14	37.16
Black	0	0	0.00	0	0	0.00
Nonwhite/black	0	0	0.00	0	0	0.00
Gender						
Male	1	9	11.06	99.50	6.21	3
Female	1	5	10.05	50.26	0.90	4
Age						
Under 65	2	3	12.82	19.23	NA	1
65 and over	0	11	0.00	324.01	NA	6
Ethnicity						
Hispanic	0	0	0.00	0.00	0.00	0
Nonhispanic	2	14	10.56	73.94	3.27	7

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Diabetes Mortality Rates per 100,000 by Race, Age, Ethnicity, and County 1989-1993

Appendix A

Switzerland County

1989										1991									
Deaths		Crude Rate		Age-Adjusted*		Deaths		Crude Rate		Age-Adjusted*		Deaths		Crude Rate		Age-Adjusted*			
All Persons	6	15.51	7.71	1	12.92	7.46	0	0.00	0.00	0.00	0.00	2	25.85	17.96					
Race																			
White	6	15.60	7.77	1	13.00	7.51	0	0.00	0.00	0.00	0.00	2	26.00	18.11					
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00					
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00					
Gender																			
Male	2	10.52	6.67	0	0.00	0.00	0	0.00	0.00	0.00	0.00	1	26.30	21.82					
Female	4	20.33	8.50	1	25.41	14.20	0	0.00	0.00	0.00	0.00	1	25.41	14.20					
Age																			
Under 65	2	6.09	NA	0	0.00	NA	0	0.00	0.00	0.00	0.00	NA	1	15.22	NA				
65 and over	4	68.43	NA	1	85.54	NA	0	0.00	0.00	0.00	0.00	NA	1	85.54	NA				
Ethnicity																			
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0.00	0.00	0	0.00	0.00					
Nonhispanic	6	15.55	7.74	1	12.96	7.48	0	0.00	0.00	0.00	0.00	2	25.92	17.99					

1992										1993									
Deaths		Crude Rate		Age-Adjusted*		Deaths		Crude Rate		Age-Adjusted*		Deaths		Crude Rate		Age-Adjusted*			
Underlying	Any Cause**	Underlying	Any Cause**	Adjusted*	Underlying	Any Cause**	Adjusted*	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**
All Persons	1	5	12.92	64.62	4.38	2	8	25.85	103.39	8.76									
Race																			
White	1	5	13.00	65.00	4.41	2	8	26.00	104.00	8.83									
Black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00									
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00									
Gender																			
Male	1	4	26.30	105.21	11.54	0	3	0.00	78.91	0.00									
Female	0	1	0.00	25.41	0.00	2	5	50.81	127.03	14.12									
Age																			
Under 65	1	2	15.22	30.45	NA	0	1	0.00	15.22	NA									
65 and over	0	3	0.00	256.63	NA	2	7	171.09	598.80	NA									
Ethnicity																			
Hispanic	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00									
Nonhispanic	1	5	12.96	64.80	4.40	2	8	25.92	103.68	8.81									

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics.

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Diabetes Mortality Rates per 100,000 by Race, Age, Ethnicity, and County 1989-1993

Appendix A

Tippecanoe County

	1989				1990				1991				1992				1993			
	Deaths	Crude Rate	Age-Adjusted*																	
All Persons	98	15.01	11.75	22	16.85	14.59	20	15.31	11.40	21	16.08	12.36								
Race																				
White	95	15.55	11.50	22	18.00	14.89	20	16.37	11.58	21	17.19	12.64								
Black	1	7.48	27.22	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00								
Nonwhite/black	1	3.86	22.17	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00								
Gender																				
Male	47	14.20	13.90	12	18.13	17.48	9	13.60	13.63	8	12.09	13.08								
Female	51	15.83	10.20	10	15.52	13.47	11	17.07	9.44	13	20.18	11.23								
Age																				
Under 65	59	9.97	NA	7	5.92	NA	18	15.21	NA	15	12.68	NA								
65 and over	39	63.54	NA	15	122.20	NA	2	16.29	NA	6	48.88	NA								
Ethnicity																				
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00								
Nonhispanic	97	15.09	11.52	22	17.12	14.68	19	14.78	10.77	21	16.34	12.44								

	1990				1991				1992				1993				1994			
	Deaths	Crude Rate	Age-Adjusted*																	
All Persons	17	7.5	13.02	57.43	9.64		18	9.3	13.78	71.21	10.76									
Race																				
White	17	74	13.91	60.56	9.87		15	87	12.28	71.20	8.51									
Black	0	1	0.00	37.41	0.00		1	4	37.41	149.64	136.09									
Nonwhite/black	0	0	0.00	0.00	0.00		1	1	19.32	19.32	110.84									
Gender																				
Male	9	46	13.60	69.51	12.08		9	38	13.60	57.42	13.24									
Female	8	29	12.42	45.01	8.83		9	55	13.97	85.37	8.02									
Age																				
Under 65	14	17	11.83	14.37	NA		5	13	4.23	10.99	NA									
65 and over	3	58	24.44	472.51	NA		13	80	105.91	651.73	NA									
Ethnicity																				
Hispanic	0	0	0.00	0.00	0.00		0	1	0.00	48.12	0.00									
Nonhispanic	17	75	13.23	58.36	9.71		18	92	14.01	71.58	10.00									

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Souce: Indiana State Department of Health Vital Statistics.

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Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Tipton County

			1989			1990			1991			
			Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted*	
All Persons	18	22.33	11.65	1	6.20	2.15	2	12.41	7.77	3	18.61	8.04
Race												
White	18	22.49	11.68	1	6.25	2.15	2	12.49	7.79	3	18.74	8.07
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Gender												
Male	9	22.97	17.74	1	12.76	5.55	1	12.76	12.06	1	12.76	8.73
Female	9	21.73	6.05	0	0.00	0.00	1	12.07	3.50	2	24.15	7.01
Age												
Under 65	8	11.65	NA	0	0.00	NA	1	7.28	NA	3	21.84	NA
65 and over	10	83.89	NA	1	41.95	NA	1	41.95	NA	0	0.00	NA
Ethnicity												
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonhispanic	18	22.50	11.69	1	6.25	2.15	2	12.50	7.81	3	18.75	8.06

			1990			1991			1993		
			Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted*
All Persons	2	5	12.41	31.02	7.77	10	13	62.04	80.65	32.52	
Race											
White	2	5	12.49	31.24	7.79	10	13	62.47	81.21	32.62	
Black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	
Gender											
Male	1	3	12.76	38.28	12.06	5	7	63.80	89.32	50.29	
Female	1	2	12.07	24.15	3.50	5	6	60.37	72.45	16.26	
Age											
Under 65	1	2	7.28	14.56	NA	3	4	21.84	29.12	NA	
65 and over	1	3	41.95	125.84	NA	7	9	293.62	377.52	NA	
Ethnicity											
Hispanic	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	
Nonhispanic	2	5	12.50	31.25	7.81	10	13	62.51	81.26	32.62	

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Union County

All Years			1989			1990			1991			
	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted*
All Persons	13	37.27	20.68	4	57.34	23.88	0	0.00	0.00	4	57.34	31.10
Race												
White	13	37.58	20.86	4	57.81	24.04	0	0.00	0.00	4	57.81	31.35
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Gender												
Male	5	29.55	20.70	1	29.55	13.21	0	0.00	0.00	3	88.65	60.53
Female	8	44.54	20.34	3	83.52	32.79	0	0.00	0.00	1	27.84	3.85
Age												
Under 65	5	16.64	NA	0	0.00	NA	0	0.00	NA	4	66.57	NA
65 and over	8	165.46	NA	4	413.65	NA	0	0.00	NA	0	0.00	NA
Ethnicity												
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonhispanic	13	37.40	20.76	4	57.55	23.98	0	0.00	0.00	4	57.55	31.27

1992			1993		
	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate
All Persons	1	3	14.33	43.00	13.66
Underlying Any Cause**					
Underlying Any Cause**	4	9	57.34	129.01	34.76
Race					
White	1	3	14.45	43.36	13.77
Black	0	0	0.00	0.00	0
Nonwhite/black	0	0	0.00	0.00	0
Gender					
Male	1	1	29.55	29.55	29.74
Female	0	2	0.00	55.68	0.00
Age					
Under 65	0	1	0.00	16.64	NA
65 and over	1	2	103.41	206.83	NA
Ethnicity					
Hispanic	0	0	0.00	0.00	0.00
Nonhispanic	1	3	14.39	43.16	13.66

* Age adjusted rates were based on diabetes as the underlying cause of death.

**Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Vanderburgh County

		All Years			1984			1991			1993		
		Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
All Persons	182	22.05	10.50	35	21.20	10.42	41	24.84	11.80	35	21.20	9.67	
Race													
White	153	20.25	9.41	29	19.19	9.03	37	24.48	11.10	28	18.53	8.55	
Black	29	46.64	30.11	6	48.25	34.32	4	32.16	24.50	7	56.29	31.14	
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Gender													
Male	73	18.79	11.74	14	18.02	10.81	14	18.02	11.29	15	19.31	11.41	
Female	109	24.95	9.48	21	24.04	10.37	27	30.90	11.78	20	22.89	8.36	
Age													
Under 65	103	14.80	NA	8	5.75	NA	33	23.71	NA	29	20.84	NA	
65 and over	79	60.99	NA	27	104.23	NA	8	30.88	NA	6	23.16	NA	
Ethnicity													
Hispanic	1	22.65	29.35	0	0.00	0.00	0	0.00	0.00	1	113.25	146.75	
Nonhispanic	181	22.05	10.47	35	21.32	10.45	41	24.97	11.85	34	20.71	9.37	

		All Years			1984			1991			1993		
		Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
All Persons	32	147	19.39	89.06	9.05	39	163	23.63	98.75	11.54			
Race													
White	27	133	17.86	88.00	8.33	32	143	21.17	94.62	10.05			
Black	5	14	40.21	112.58	23.02	7	19	56.29	152.78	37.57			
Nonwhite/black	0	0	0.00	0.00	0.00	0	1	0.00	82.64	0.00			
Gender													
Male	13	58	16.73	74.66	11.24	17	72	21.88	92.68	13.93			
Female	19	89	21.75	101.87	7.24	22	91	25.18	104.16	9.63			
Age													
Under 65	25	24	17.97	17.25	NA	8	26	5.75	18.68	NA			
65 and over	7	123	27.02	474.83	NA	31	137	119.67	528.88	NA			
Ethnicity													
Hispanic	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00			
Nonhispanic	32	147	19.49	89.54	9.09	39	163	23.76	99.28	11.58			

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Vermillion County

		All Years				1991				1993			
		Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
All Persons	28	33.39	13.27	4	23.85	9.59	4	23.85	8.20	8	47.70	22.66	
Race													
White	28	33.57	13.31	4	23.98	9.62	4	23.98	8.23	8	47.96	22.75	
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Gender													
Male	8	20.11	8.72	1	12.57	7.67	1	12.57	4.71	1	12.57	7.67	
Female	20	45.37	16.57	3	34.03	10.51	3	34.03	10.51	7	79.39	32.90	
Age													
Under 65	15	21.62	NA	0	0.00	NA	4	28.83	NA	7	50.45	NA	
65 and over	13	89.75	NA	4	138.07	NA	0	0.00	NA	1	34.52	NA	
Ethnicity													
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	
Nonhispanic	28	33.51	13.28	4	23.93	9.59	4	23.93	8.21	8	47.87	22.69	

		All Years				1991				1993			
		Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
All Persons	5	20	29.81	119.24	14.78	7	19	41.73	113.28	11.11			
Race													
White	5	20	29.97	119.90	14.83	7	19	41.96	113.90	11.14			
Black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00			
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00			
Gender													
Male	1	6	12.57	75.41	4.71	4	11	50.28	138.26	18.86			
Female	4	14	45.37	158.78	22.39	3	8	34.03	90.73	6.54			
Age													
Under 65	4	5	28.83	36.03	NA	0	2	0.00	14.41	NA			
65 and over	1	15	34.52	517.78	NA	7	17	241.63	586.81	NA			
Ethnicity													
Hispanic	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00			
Nonhispanic	5	20	29.92	119.67	14.80	7	19	41.89	113.69	11.11			

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics.

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Brown Research Center, Indiana University

Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Vigo County

		1989			1990			1991		
		All Years	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted
All Persons	128	24.13	11.89		25	23.56	10.71	28	26.39	14.89
Race					Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted
White	117	23.75	11.67		23	23.34	10.45	26	26.39	14.91
Black	11	37.00	20.76		2	33.64	19.94	2	33.64	19.89
Nonwhite/black	0	0.00	0.00		0	0.00	0.00	0	0.00	0.00
Gender					Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted
Male	51	19.61	13.30		9	17.30	10.45	11	21.14	15.48
Female	77	28.48	10.86		16	29.58	11.30	17	31.43	14.39
Age					Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted
Under 65	69	15.31	NA		3	3.33	NA	23	25.52	NA
65 and over	59	73.81	NA		22	137.60	NA	5	31.27	NA
Ethnicity					Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted
Hispanic	0	0.00	0.00		0	0.00	0.00	0	0.00	0.00
Nonhispanic	128	24.36	11.95		25	23.78	10.76	28	26.64	14.97
1992										
All Persons					Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
Underlying					Underlying	Any Cause**	Underlying	Underlying	Any Cause**	Underlying
All Persons	26	98	24.50		92.36	12.30		26	107	24.50
Race					Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
White	24	86	24.36		87.28	12.19		24	100	24.36
Black	2	11	33.64		185.00	19.94		2	7	33.64
Nonwhite/black	0	1	0.00		68.17	0.00		0	0	0.00
Gender					Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
Male	10	43	19.22		82.65	13.60		15	51	28.83
Female	16	55	29.58		101.70	11.61		11	56	20.34
Age					Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
Under 65	20	16	22.19		17.75	NA		4	21	4.44
65 and over	6	82	37.53		512.88	NA		22	86	137.60
Ethnicity					Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
Hispanic	0	0	0.00		0.00	0.00	0.00	0	0.00	0.00
Nonhispanic	26	98	24.74		93.24	12.36		26	107	24.74
1993										
All Persons					Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
Underlying					Underlying	Any Cause**	Underlying	Underlying	Any Cause**	Underlying
All Persons	26	98	24.50		92.36	12.30		26	107	24.50
Race					Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
White	24	86	24.36		87.28	12.19		24	100	24.36
Black	2	11	33.64		185.00	19.94		2	7	33.64
Nonwhite/black	0	1	0.00		68.17	0.00		0	0	0.00
Gender					Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
Male	10	43	19.22		82.65	13.60		15	51	28.83
Female	16	55	29.58		101.70	11.61		11	56	20.34
Age					Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
Under 65	20	16	22.19		17.75	NA		4	21	4.44
65 and over	6	82	37.53		512.88	NA		22	86	137.60
Ethnicity					Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
Hispanic	0	0	0.00		0.00	0.00	0.00	0	0.00	0.00
Nonhispanic	26	98	24.74		93.24	12.36		26	107	24.74

* Age adjusted rates were based on diabetes as the underlying cause of death.

**Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Wabash County

All Years			1989			1990			1991			
	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted*
All Persons	68	38.78	19.48	14	39.92	17.50	8	22.81	14.05	15	42.77	21.69
Race												
White	68	39.42	19.63	14	40.58	17.64	8	23.19	14.17	15	43.47	21.86
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Gender												
Male	24	28.28	19.62	7	41.24	25.96	2	11.78	9.36	4	23.57	18.00
Female	44	48.63	18.54	7	38.68	10.48	6	33.15	17.14	11	60.78	22.97
Age												
Under 65	46	30.81	NA	2	6.70	NA	6	20.09	NA	13	43.53	NA
65 and over	22	84.50	NA	12	230.46	NA	2	38.41	NA	2	38.41	NA
Ethnicity												
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonhispanic	68	39.14	19.56	14	40.29	17.58	8	23.02	14.11	15	43.17	21.79

1992			1993		
	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate
All Persons	23	38	65.58	108.36	27.04
Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**
Race				8	20
White	23	38	66.66	110.14	27.23
Black	0	0	0.00	0.00	0.00
Nonwhite/black	0	0	0.00	0.00	0.00
Gender					
Male	5	11	29.46	64.81	16.64
Female	18	27	99.46	149.20	34.26
Age					
Under 65	21	5	70.32	16.74	NA
65 and over	2	33	38.41	633.76	NA
Ethnicity					
Hispanic	0	0	0.00	0.00	0.00
Nonhispanic	23	38	66.19	109.36	27.15

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Warren County

		All Years			1989			1990			1991		
		Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted
All Persons		13	31.80	15.92	2	24.46	11.41	3	36.69	16.68	2	24.46	11.41
Race													
White		13	31.93	15.98	2	24.56	11.44	3	36.84	16.70	2	24.56	11.44
Black		0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonwhite/black		0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Gender													
Male		7	34.72	20.53	2	49.60	25.35	1	24.80	20.17	1	24.80	11.02
Female		6	28.96	12.75	0	0.00	0.00	2	48.26	10.67	1	24.13	13.20
Age													
Under 65		7	20.12	NA	0	0.00	NA	2	28.75	NA	2	28.75	NA
65 and over		6	98.44	NA	2	164.07	NA	1	82.03	NA	0	0.00	NA
Ethnicity													
Hispanic		0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonhispanic		13	31.89	15.94	2	24.53	11.41	3	36.80	16.70	2	24.53	11.41

		All Years			1990			1991			1992		
		Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
		Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**
All Persons	1	2	12.23	24.46	2.31	5	10	61.15	122.31	37.81	37.81	37.81	37.81
Race													
White		1	2	12.28	24.56	2.31	5	10	61.40	122.80	37.99	37.99	37.99
Black		0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00
Nonwhite/black		0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00
Gender													
Male		0	0	0.00	0.00	0.00	0	3	74.40	148.81	46.12	46.12	46.12
Female		-1	2	24.13	48.26	2.95	2	4	48.26	96.53	36.95	36.95	36.95
Age													
Under 65		1	0	14.37	0.00	NA	2	3	28.75	43.12	NA	NA	NA
65 and over		0	2	0.00	164.07	NA	3	7	246.10	574.24	NA	NA	NA
Ethnicity													
Hispanic		0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	0.00	0.00
Nonhispanic		1	2	12.27	24.53	2.33	5	10	61.33	122.65	37.86	37.86	37.86

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics.

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Brown Research Center, Indiana University

Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Warrick County

All Years										1989				1990				
	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
All Persons	36	16.03	9.75	6	13.36	8.80	5	11.13	7.69	10	22.26	14.14						
Race																		
White	36	16.28	9.83	6	13.57	8.90	5	11.31	7.75	10	22.61	14.25						
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00						
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00						
Gender																		
Male	10	9.06	6.38	2	9.06	8.12	2	9.06	6.54	1	4.53	4.06						
Female	26	22.77	12.25	4	17.52	8.07	3	13.14	8.54	9	39.41	21.93						
Age																		
Under 65	23	11.42	NA	2	4.97	NA	4	9.93	NA	9	22.34	NA						
65 and over	13	56.02	NA	4	86.19	NA	1	21.55	NA	1	21.55	NA						
Ethnicity																		
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00						
Nonhispanic	36	16.09	9.77	6	13.41	8.82	5	11.17	7.71	10	22.35	14.16						

1992										1993							
	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**	Underlying	Any Cause**
All Persons	8	31	17.81	69.01	10.66	7	28	15.58	62.33	7.45							
Race																	
White	8	31	18.09	70.09	10.75	7	28	15.83	63.31	7.52							
Black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00							
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00							
Gender																	
Male	3	15	13.58	67.92	9.57	2	11	9.06	49.81	3.60							
Female	5	16	21.90	70.07	11.33	5	17	21.90	74.45	11.36							
Age																	
Under 65	7	5	17.38	12.41	NA	1	5	2.48	12.41	NA							
65 and over	1	26	21.55	560.22	NA	6	23	129.28	495.58	NA							
Ethnicity																	
Hispanic	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00							
Nonhispanic	8	31	17.88	69.27	10.68	7	28	15.64	62.57	7.46							

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics.

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Bowen Research Center, Indiana University

Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Washington County

1989			1990			1991		
	Deaths	Crude Rate	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted*
All Persons	21	17.71	11.53	2	8.43	5.34	6	25.30
Race							17.47	
White	21	17.79	11.57	2	8.47	5.35	6	25.42
Black	0	0.00	0.00	0	0.00	0.00	0	0.00
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00
Gender								
Male	8	13.56	8.99	1	8.47	5.78	4	33.89
Female	13	21.82	14.03	1	8.39	4.96	2	16.79
Age								
Under 65	12	11.70	NA	0	0.00	NA	4	19.50
65 and over	9	56.18	NA	2	62.42	NA	2	62.42
Ethnicity								
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00
Nonhispanic	21	17.79	11.58	2	8.47	5.36	6	25.41
1992								
	Deaths	Crude Rate	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*
All Persons	5	15	21.08	63.25	18.18	1	13	4.22
Race								
White	5	14	21.18	59.30	18.25	1	13	4.24
Black	0	1	0.00	43.47.83	0.00	0	0	0.00
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00
Gender								
Male	1	5	8.47	42.36	8.57	0	4	0.00
Female	4	10	33.57	83.93	26.70	1	9	8.39
Age								
Under 65	2	3	9.75	14.62	NA	0	2	0.00
65 and over	3	12	93.63	374.53	NA	1	11	31.21
Ethnicity								
Hispanic	0	0	0.00	0.00	0.00	0	0	0.00
Nonhispanic	5	15	21.18	63.54	18.24	1	13	4.24

*Age adjusted rates were based on diabetes as the underlying cause of death.

**Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics.

Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Wayne County

	All Years			1989			1990			1991		
	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted*
All Persons	127	35.30	17.08	26	36.14	14.98	27	37.53	20.55	26	36.14	18.30
Race												
White	111	32.82	15.60	25	36.96	15.42	21	31.04	16.75	23	34.00	16.65
Black	16	83.97	54.47	1	26.24	7.10	6	157.44	117.24	3	78.72	59.39
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Gender												
Male	59	34.40	21.66	12	34.98	20.82	12	34.98	24.67	9	26.24	15.52
Female	68	36.12	13.41	14	37.19	10.22	15	39.84	16.73	17	45.15	20.75
Age												
Under 65	70	22.91	NA	4	6.55	NA	19	31.10	NA	21	34.37	NA
65 and over	57	105.07	NA	22	202.76	NA	8	73.73	NA	5	46.08	NA
Ethnicity												
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonhispanic	127	35.49	17.13	26	36.32	15.02	27	37.72	20.60	26	36.32	18.35

1992

	All Years			1993							
	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*					
All Persons	28	69	38.92	95.90	18.98	20	64	27.80	88.95	12.59	
Race											
White	24	63	35.48	93.13	16.77	18	61	26.61	90.17	12.43	
Black	4	6	104.96	157.44	69.18	2	3	52.48	78.72	19.46	
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	
Gender											
Male	16	39	46.64	113.70	30.04	10	28	29.15	81.63	17.26	
Female	12	30	31.87	79.68	10.12	10	36	26.56	95.62	9.21	
Age											
Under 65	24	8	39.28	13.09	NA	2	4	3.27	6.55	NA	
65 and over	4	61	36.87	562.21	NA	18	60	165.90	553.00	NA	
Ethnicity											
Hispanic	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	
Nohispanic	28	69	39.12	96.40	19.04	20	64	27.94	89.41	12.62	

* Age adjusted rates were based on diabetes as the underlying cause of death.

**Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Wells County

All Years			1989			1990			1991			
	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted*
All Persons	29	22.35	11.64	3	11.56	8.72	4	15.42	6.25	5	19.27	11.81
Race												
White	29	22.49	11.66	3	11.63	8.76	4	15.51	6.25	5	19.39	11.85
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Gender												
Male	10	15.88	9.74	3	23.82	19.55	3	23.82	10.85	0	0.00	0.00
Female	19	28.45	13.41	0	0.00	0.00	1	7.49	4.42	5	37.44	21.18
Age												
Under 65	18	16.04	NA	2	8.91	NA	4	17.82	NA	3	13.37	NA
65 and over	11	62.80	NA	1	28.55	NA	0	0.00	NA	2	57.09	NA
Ethnicity												
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonhispanic	29	22.58	11.70	3	11.68	8.78	4	15.57	6.27	5	19.47	11.88

1992			1993								
	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate	Age-Adjusted*					
All Persons	7	22	26.98	84.78	10.88	10	29	38.54	111.76	20.53	
Race											
White	7	22	27.15	85.32	10.88	10	29	38.78	112.46	20.57	
Black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	
Gender											
Male	3	9	23.82	71.47	15.75	1	10	7.94	79.42	2.54	
Female	4	13	29.95	97.33	6.53	9	19	67.39	142.26	34.90	
Age											
Under 65	7	0	31.19	0.00	NA	2	4	8.91	17.82	NA	
65 and over	0	22	0.00	628.03	NA	8	25	228.38	713.67	NA	
Ethnicity											
Hispanic	0	0	0.00	0.00	0.00	0	0	0.00	0.00	0.00	
Nonhispanic	7	22	27.25	85.65	10.93	10	29	38.93	112.90	20.63	

* Age adjusted rates were based on diabetes as the underlying cause of death.

** Any cause included details where diabetes was indicated as the underlying or one of up to ten causes of death.

Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

White County

All Years			1989			1990			1991			
	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted	Deaths	Crude Rate	Age-Adjusted*
All Persons	37	31.81	16.12	5	21.49	10.31	9	38.68	19.19	8	34.39	19.51
Race												
White	36	31.09	15.35	5	21.59	10.34	9	38.86	19.25	8	34.54	19.57
Black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonwhite/black	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Gender												
Male	21	37.36	21.17	1	8.90	2.95	6	53.38	34.10	6	53.38	32.65
Female	16	26.61	12.86	4	33.27	17.26	3	24.95	5.94	2	16.63	9.12
Age												
Under 65	19	19.39	NA	1	5.10	NA	6	30.62	NA	5	25.51	NA
65 and over	18	98.17	NA	4	109.08	NA	3	81.81	NA	3	81.81	NA
Ethnicity												
Hispanic	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Nonhispanic	37	32.05	16.18	5	21.65	10.35	9	38.98	19.26	8	34.65	19.59

1992			1993		
	Deaths	Crude Rate	Age-Adjusted*	Deaths	Crude Rate
All Persons	6	12	25.79	51.58	10.34
Underlying Any Cause**					
Deaths	9	23	38.68	98.86	21.23
Race					
White	6	12	25.91	51.81	10.36
Black	0	0	0.00	0.00	0
Nonwhite/black	0	0	0.00	0.00	0
Gender					
Male	3	8	26.69	71.17	9.78
Female	3	4	24.95	33.27	13.19
Age					
Under 65	5	3	25.51	15.31	NA
65 and over	1	9	27.27	245.43	NA
Ethnicity					
Hispanic	0	0	0.00	0.00	0
Nonhispanic	6	12	25.99	51.97	10.37

* Age adjusted rates were based on diabetes as the underlying cause of death.

**Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics.

Diabetes Mortality Rates per 100,000 by Race, Gender, Age, Ethnicity and County, 1989-1993

Appendix A

Whitley County

All Years				1989				1990				1991			
	Deaths	Crude Rate	Age-Adjusted		Deaths	Crude Rate	Age-Adjusted		Deaths	Crude Rate	Age-Adjusted		Deaths	Crude Rate	Age-Adjusted*
All Persons	43	31.10	15.48		15	54.25	27.07		7	25.32	12.39		9	32.55	18.26
Race															
White	43	31.33	15.51		15	54.64	27.13		7	25.50	12.42		9	32.79	18.31
Black	0	0.00	0.00		0	0.00	0.00		0	0.00	0.00		0	0.00	0.00
Nonwhite/black	0	0.00	0.00		0	0.00	0.00		0	0.00	0.00		0	0.00	0.00
Gender															
Male	19	28.00	17.60		5	36.84	20.90		3	22.10	14.85		4	29.47	20.52
Female	24	34.10	14.07		10	71.03	33.08		4	28.41	10.06		5	35.52	16.86
Age															
Under 65	22	18.28	NA		3	12.47	NA		6	24.93	NA		7	29.09	NA
65 and over	21	117.19	NA		12	334.82	NA		1	27.90	NA		2	55.80	NA
Ethnicity															
Hispanic	1	158.73	229.41		0	0.00	0.00		1	793.65	1147.06		0	0.00	0.00
Nonhispanic	42	30.52	14.88		15	54.50	27.16		6	21.80	9.14		9	32.70	18.32

1992				1993											
	Deaths	Crude Rate	Age-Adjusted*		Deaths	Crude Rate	Age-Adjusted*								
All Persons	7	19	25.32	68.71	11.41	5	18	18.08		65.10		8.27			
Race															
White	7	19	25.50	69.22	11.43	5	18	18.21		65.57		8.28			
Black	0	0	0.00	0.00	0.00	0	0	0.00		0.00		0.00			
Nonwhite/black	0	0	0.00	0.00	0.00	0	0	0.00		0.00		0.00			
Gender															
Male	5	13	36.84	95.78	22.49	2	4	14.74		29.47		9.23			
Female	2	6	14.21	42.62	3.26	3	14	21.31		99.45		7.07			
Age															
Under 65	6	3	24.93	12.47	NA	0	1	0.00		4.16		NA			
65 and over	1	16	27.90	46.43	NA	5	17	139.51		474.33		NA			
Ethnicity															
Hispanic	0	0	0.00	0.00	0.00	0	0	0.00		0.00		0.00			
Nonhispanic	7	19	25.43	69.03	11.45	5	18	18.17		65.40		8.31			

* Age adjusted rates were based on diabetes as the underlying cause of death.

**Any cause included deaths where diabetes was indicated as the underlying or one of up to ten causes of death.

Source: Indiana State Department of Health Vital Statistics.